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The University of New Mexico  
B U L L E T I N  
Fifty-first Annual Announcement Issue  
1941-1942

Announcements 1942-1943

Published by the University  
Of New Mexico - Albuquerque

The University of New Mexico  
Bulletin

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*Fifty-first Annual Announcement  
Issue 1941-42*



*Announcements  
1942-43*

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1942

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## CALENDAR OF THE UNIVERSITY

### SUMMER SESSIONS, 1942

#### Campus Session

June 8	Monday—Registration, 8:00-12:00, 1:00-5:00
June 9	Tuesday—Instruction begins at 7:00 a. m.
June 13	Saturday—Last day for change in program of studies without charge
July 4	Saturday—Independence Day, holiday
Aug. 1	Saturday—Session ends

#### Field Sessions

June 8-Aug. 1	Monday-Saturday—Field School of Art at Taos. Registration at Taos
July 11-Aug. 13	Saturday-Thursday—General Field Sessions in Anthropology, Chaco Canyon. Registration at Chaco
July 27-Aug. 22	Monday-Saturday—Field School of Indian Art at Santa Fe. Registration at Santa Fe
Aug. 7-Aug. 21	Friday-Friday—Engineering Field Session, Battleship Rock, Jemez Canyon

### REGULAR SESSION

#### Semester I, 1942-43

Aug. 18	Tuesday—Residence halls open for Freshmen, 1 p. m.
Aug. 19	Wednesday—Dining Hall opens for Freshmen, noon. Freshman Week begins at 8:00 a. m.
Aug. 20	Thursday—Residence halls open for upperclassmen, 1 p. m.
Aug. 21	Friday—Dining Hall opens for upperclassmen, noon. Registration: Freshmen, 8:00-12:00; Sophomores, 1:00-5:00
Aug. 22	Saturday—Registration: upperclassmen and others, night students, 8:00-12:00; 1:00-5:00
Aug. 22	Saturday—Entrance examinations for students deficient in entrance units
Aug. 24	Monday—Instruction begins at 8:00 a. m.
Sept. 5	Saturday—Last day for change in program of studies without charge
Sept. 26	Saturday—End of fifth week; last day for registration or addition of new course to program of studies
Oct. 24	Saturday—End of ninth week—mid-semester
Nov. 14	Saturday—End of twelfth week; last day for removal of Incomplete grades
Nov. 26	Thursday—Thanksgiving recess begins at 8:00 a. m.
Nov. 30	Monday—Instruction resumed at 8:00 a. m.
Dec. 7-Dec. 12	Monday-Saturday—Pre-examination week
Dec. 14-Dec. 19	Monday-Saturday—Semester final examinations
Dec. 19	Saturday—Semester ends at 5:00 p. m.

**Semester II, 1942-43**

Jan. 9	Saturday—Tests and instructions for new students, Lecture Hall, 9:00 a. m. Entrance examinations for students deficient in entrance units
Jan. 11	Monday—Registration: Freshmen, 8:00-12:00; Sophomores, 1:00-5:00
Jan. 12	Tuesday—Registration: Upperclassmen and others, night students, 8:00-12:00; 1:00-5:00
Jan. 13	Wednesday—Instruction begins at 8:00 a. m.
Jan. 23	Saturday—Last day for change of program of studies without charge
Feb. 13	Saturday—End of fifth week; last day for registration or addition of new course to program of studies
Feb. 28	Sunday—University Memorial Day
Mar. 13	<b>Saturday—End of ninth week—mid-semester</b>
Apr. 3	Saturday—End of twelfth week; last day for removal of Incomplete grades
Apr. 23	Friday—Easter recess begins at 8:00 a. m.
Apr. 26	Monday—Instruction resumed at 8:00 a. m.
Apr. 26-May 1	Monday-Saturday—Pre-examination week
May 3-May 8	Monday-Saturday—Semester final examinations
May 8	Saturday—Semester ends at 5:00 p. m.
May 9	Sunday—Baccalaureate services
May 10	Monday—Commencement exercises

Note: Special exercises may be held September 7, November 11, and February 22, but no holiday is given.

**SUMMER SESSIONS, 1943****Campus Session**

For dates of the eight-weeks residence session, address the Director of the Summer Session, c/o the University of New Mexico.

**Field Sessions**

Field sessions in art will be conducted at Santa Fe and at Taos. For dates of these sessions please address Department of Art, c/o the University of New Mexico.

Field sessions in Anthropology will be conducted at Chaco Canyon. For dates of these sessions please address Department of Anthropology, c/o the University of New Mexico.

A field session in engineering will be conducted. For dates of the session please address Department of Civil Engineering, c/o the University of New Mexico.

THE REGENTS  
of  
THE UNIVERSITY OF NEW MEXICO

THE HONORABLE JOHN E. MILES, *Governor of*  
*New Mexico*, ex-officio ----- Santa Fe

MRS. GRACE J. CORRIGAN, *State Superintendent*  
*of Public Instruction of New Mexico*,  
ex-officio ----- Santa Fe

SAM G. BRATTON, *President* ----- Albuquerque

JACK KORBER, *Vice-President* ----- Albuquerque

MRS. JOHN MILNE, *Secretary and Treasurer* ----- Albuquerque

ADOLFO C. GONZALES ----- Albuquerque

MRS. FLOYD W. LEE ----- San Mateo

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### Officers of Administration

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General College  
MARSHALL ELMER FARRIS, M.S. in M.E., Dean, College of Engineering  
SIMON PETER NANNINGA, Ph.D., Dean, College of Education, and  
Director, Summer Session  
†WILLIAM MCLEISH DUNBAR, B.Arch., Dean, College of Fine Arts  
GEORGE ST. CLAIR, Ph.D., Dean Emeritus, College of Fine Arts  
JOAQUÍN ORTEGA, Litt.D., Director of School of Inter-American Affairs  
JAMES B. WILL, Capt., U. S. N. (Ret.), Head of Department of Naval  
Science and Tactics  
LENA CECILE CLAUVE, M.A., Dean of Women  
JABEZ LELAND BOSTWICK, M.A., Dean of Men  
TOM L. POPEJOY, M.A., Executive Assistant and Comptroller  
GEORGE WALTER WHITE, B.A., Assistant Dean, College of Education  
WILMA LOY SHELTON, B.L.S., Librarian  
J. T. REID, Ed.D., Director, Extension Division, and Director, Taos  
County Project  
PHILIP H. DUBOIS, Ph.D., Director, Bureau of Tests and Records  
JOHN H. FETH, M.A., Director of Public Relations and Student  
Employment  
ERNEST W. HALL, B.A., Secretary, Alumni Association  
FRED E. HARVEY, Editor of Publications and Director of the Univer-  
sity Press  
EARL BOWDICH, Superintendent of Buildings and Grounds

### Assistants to Officers of Administration

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MARGARET O'CONNELL, M.A., Recorder, Office of the Registrar  
VERA DARNALL, Clerk of Admissions, Office of the Registrar  
RUTH JEAN SMITH, B.A., Secretary to the Registrar  
‡CATHERINE HAGERMAN, Office Manager in Comptroller's Office  
¶ARTIE MITCHELL, Secretary to the Comptroller  
FREDA CHAMPION, Secretary to the Comptroller  
§A. T. CHAVEZ, B.A., Accountant, Office of the Comptroller  
JOHN GARBER, Accountant, Office of the Comptroller  
ELEANOR MANSON, B.A., Cashier  
RAYMOND COFFEY, Clerk, Office of the Comptroller  
MARY LOUISE WALLENHORST, B.A., Secretary to Dean, Graduate  
School  
HELENE GINN, B.S., Secretary to Dean, College of Arts and Sciences,  
General College  
JULIA FRITZ, B.S., Secretary to Dean, College of Education  
ELIZABETH ELDER, Assistant in Personnel Office  
¶MARGARET H. DRURY, B.A., Secretary to Director of Extension Divi-  
sion

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\* On sabbatical leave, Semester II, 1941-42.

† On leave of absence, duration of war.

‡ On leave of absence, Semester I, 1941-42.

§ On leave of absence, 1941-42.

¶ Resigned.

‡MAYNARD MEULL, B.A., Financial Secretary to Associated Students  
 †FREDA CHAMPION, B.A. in Educ., Financial Secretary to Associated Students

OPAL CRENSHAW, Secretary to Dean, College of Engineering  
 BARBARA CLARK, B.A., Secretary in Department of Naval Science and Tactics

PROVIDENCE RAIMOND, Secretary-Librarian in School of Inter-American Affairs

CLARA LU MORTON, B.A. in Educ., Secretary in Placement Bureau and Curriculum

LOUISE DENTON, Switchboard Operator

#### University Library Staff

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RUTH RUSSELL, Assistant Librarian

ESTHER JUNE PIERCY, B.S. in L.S., Head of Catalog Department

MARY E. BRINDLEY, B.S. in L.S., Head of Reference Department

ELSA SMITH THOMPSON, B.S. in L.S., Head of Circulation Department

MILDRED E. SCHUBERT, B.A. in L.S., Head of Serials Division

ELIZABETH MORRISON, Clerk in Library

\*LAUDELLE HUGHES, B.S. in Educ., Head of Reserve Division

†BEVERLY CARRICK, Head of Reserve Division

#### University Health Service

‡JAMES R. SCOTT, M.D., Ph.D., Professor of Health

C. KEITH BARNES, M.D., University Physician

VIRGINIA MINTER, R.N., Office Assistant to University Physician

#### Dining and Residential Halls

GRACE E. CAMPBELL, B.S. in Educ., Supervisor of the Dining Hall

ALICE M. DAVIDSON, Chaperon in the Women's Residential Hall

MARGARET OFFICER, Matron of Men's New Dormitory

V. E. KLEVEN, B.C.L., Proctor, Men's New Residential Hall

GUSTAVE ZIELASKO, B.A., Proctor, Coöperative Dormitory

#### Namé Community School

§LOYD S. TIREMAN, Ph.D., Director

MARY WATSON, B.A., Principal

#### Co-operating Schools for Practice Teaching

ALBUQUERQUE PUBLIC HIGH SCHOOL, Glen O. Ream, M.A., Principal

LINCOLN JUNIOR HIGH SCHOOL, Glen Borland, M.A., Principal

LONGFELLOW SCHOOL, J. Buren Linthicum, M.A., Principal

WASHINGTON JUNIOR HIGH SCHOOL, Edward W. Lighton, M.A., Principal

#### State Agencies Situated on the Campus

##### *State Public Health Laboratory*

JAMES R. SCOTT, M.D., Ph.D., State Director, and Bureau of Public Health, Consultant

MYRTLE GREENFIELD, M.A., Director, Division of Laboratory

##### *State Highway Department Laboratory*

BURTON G. DWYRE, State Highway Engineer

E. B. BAIL, B.S. in M.E., Laboratory Technician

##### *Gasoline Tax Division Laboratory, Bureau of Revenue*

P. E. CULVER, Head State Gasoline Tax Division

WALTER BIDDLE, B.S. in M.E., Laboratory Technician

\* Semester I, 1941-42.

† Semester II, 1941-42.

‡ On leave of absence, 1941-42.

¶ Resigned.

§ On leave of absence, Semester II, 1941-42.



## THE FACULTY OF THE UNIVERSITY

- JAMES FULTON ZIMMERMAN, B.A., M.A., Vanderbilt University; Ph.D. Columbia University. President of the University and Professor of Government and Citizenship
- KENNETH MILLER ADAMS, A.N.A., Chicago Art Institute; Art Students' League of New York; independent study in France and Italy. Resident Artist and Part-time Instructor in Painting
- HUBERT GRIGGS ALEXANDER, B.A., Pomona College; Ph.D., Yale University. Assistant Professor of Philosophy
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- KARL FRIEDRICH BURG, Studied at Conservatory at Hanover. Instructor in Cello, Viola, Violin, and Guitar
- WILLIAM EMMETT BURK, JR., B.F.A., University of Southern California; Student in the Beaux-Arts Institute of Design. Instructor in Architecture and Sculpture and Head of the Department of Architecture

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\* Semester II, 1941-42.

- ARTHUR LEON CAMPA, B.A., M.A., University of New Mexico. Associate Professor of Modern Languages
- EDWARD FRANKLIN CASTETTER, B.A., Lebanon Valley College; M.S., Pennsylvania State College; Ph.D., Iowa State College. Professor of Biology and Head of the Department
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- †JOHN HAZARD DORROH, B.E., C.E., Vanderbilt University. Professor of Civil Engineering and Head of the Department
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- MARSHALL ELMER FARRIS, B.S. in M.E., Purdue University; M.S. in M.E., University of Texas. Dean of the College of Engineering, Professor of Mechanical Engineering and Head of the Department

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\* On leave of absence, 1941-42.

† Sabbatical leave, 1942-43.

‡ On leave of absence, duration of war.

- ment. Director of the Engineering Experiment Station and the Civilian Pilot Training Program
- JOHN H. FETH, B.A., Dartmouth College; M.S., Columbia Teachers' College. Director of Public Relations and Student Employment
- CECIL H. FEWELL, B.B.A., M.B.A., University of Texas. Assistant Professor of Economics and Business Administration
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- ROBERT EDWARD HOLZER, B.A., Reed College; M.A., Ph.D., University of California. Associate Professor of Physics, Consultant on National Defense Project
- WILLIAM HUME, II, B.E., Vanderbilt University; Ph.D., Johns Hopkins University. Assistant Professor of Civil Engineering

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\* Resigned July 31, 1941.

† Semester I, 1941-42.

- CHARLES ERNEST HUTCHINSON, B.A., M.A., Ph.D., University of Southern California. Instructor in Sociology
- WILLIS DANA JACOBS, B.A., M.A., University of New Mexico. Instructor in English
- ROY WILLIAM JOHNSON, B.A., University of Michigan; Certificat, Université de Poitiers, France. Director of Athletics, Professor of Physical Education and Head of the Department
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- HERBERT L. JONES, B.A., University of Oregon; M.A., Ph.D., Oregon State College. Assistant Professor of Electrical Engineering
- RAYMOND JONSON, Chicago Academy of Fine Arts. Assistant Professor of Art
- JULIA MARY KELEHER, B.A. in Educ., M.A., University of New Mexico. Assistant Professor of English
- WALTER BURROUS KELLER, Mus.B., M.A., University of Indiana. Juilliard Graduate School. Instructor in Harmony, Counterpoint and Piano
- VINCENT COOPER KELLEY, B.A., University of California at Los Angeles; M.S., Ph.D., California Institute of Technology. Associate Professor of Geology
- FRANCIS MONROE KERCHEVILLE, B.A., Abilene Christian College; M.A., Ph.D., University of Wisconsin. Professor of Modern Languages and Head of the Department. General Adviser in School of Latin-American Affairs during organization period
- VEON C. KIECH, B.A., University of New Mexico; M.A., Ph.D., Stanford University. Professor of Chemistry
- \*FRED O. KIEL, B.A., M.B.A., University of Kansas. Instructor in Economics
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- ‡RAYMOND KRAFT, B.S., University of New Mexico; M.S., Massachusetts Institute of Technology. Instructor in Meteorology
- WILLIAM M. KUNKEL, Kimball School of Music. Instructor in Theory, Band and Wind Instruments
- HAROLD DANIEL LARSEN, B.A., M.A., University of Michigan; Ph.D., University of Wisconsin. Assistant Professor of Mathematics
- FREDA LOIS LAW, B.A., University of Colorado; M.A., University of

\* On leave of absence, 1941-42.

† On sabbatical leave, Semester II, 1941-42.

‡ Resigned January 17, 1942.

- Wyoming. Assistant Director of Extension Division and Instructor in English by extension
- MARCY THOMAS LEWELLEN, B.S. in M.E., M.E., Iowa State College. Associate Professor of Mechanical Engineering
- § ROBERT RENIC LOGAN, B.Ch. E., B.S., University of Arkansas; M.B.A., Ph.D., Northwestern University. Assistant Professor of Economics and Business Administration
- RANDOLPH N. LONG, Lieutenant (Junior Grade); M.C., U.S.N.R., University of the South; M.D., Tulane Medical School. N.R.O.T.C. Medical Officer
- ALBERT RICHARD LOPES, B.A., M.A., Ph.D., University of California. Assistant Professor of Modern Languages
- MAMIE TANQUIST MILLER, B.A., Hamline University; M.A., University of Minnesota; Ph.D., University of Southern California. Associate Professor of Sociology
- LYNN BOAL MITCHELL, B.A., Ohio State University; M.A., Ph.D., Cornell University. Professor of Classics and Head of the Department of Greek and Latin
- SUSAN MOSER, B.S., M.S., Iowa State College. Assistant Professor of Home Economics
- ROBERT ARTHUR MOYERS, R.S. in Educ., M.A., University of Missouri; Ph.D., George Peabody College. Associate Professor of Education
- SIMON PETER NANNINGA, B.S., Kansas State Teachers College; M.A., Stanford University; Ph.D., University of California. Dean of the College of Education, Professor of School Administration and Head of the Department of Educational Administration. Director of Summer Session
- CARROLL VINCENT NEWSOM, B.A., College of Emporia; M.A., Ph.D., University of Michigan. Professor of Mathematics and Head of the Department
- STUART A. NORTHROP, B.S., Ph.D., Yale University. Professor of Geology and Head of the Department. Curator of the Geology Museum
- FEDERICO DE ONIS, D.En.L., Catedrático de Lengua y Literatura Españolas. Visiting Lecturer in Modern Languages
- JOAQUÍN ORTEGA, M.A., University of Wisconsin; Litt.D., University of New Mexico. Director of School of Inter-American Affairs and Professor of Spanish
- \* THOMAS MATTHEWS PEARCE, B.A., University of Montana; M.A., Ph.D., University of Pittsburgh. Professor of English and Head of the Department of English
- GENE THOMAS PELSOR, B.A., Colorado College; M.S., University of Oklahoma. Instructor in Physics
- GEORGE MAXWELL PETERSON, Ph.B., M.A., Ph.D., University of Chicago. Professor of Psychology
- ESTHER JUNE PIERCY, B.A., University of Idaho; B.S. in L.S., University of Illinois. Instructor in Library Science and Head of the Catalog Department in the Library
- TOM L. POPEJOY, B.A., M.A., University of New Mexico. Executive Assistant and Comptroller

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§ Resigned January 17, 1942.

\* On leave of absence, Semester II, 1941-42.

- †ROY L. RATHER, JR., B.S. in M.E., University of Texas. Assistant Professor of Mechanical Engineering
- BESS CURRY REDMAN, B.A. in Educ., University of New Mexico; B.Mus., Lamont School of Music. Assistant Professor of Music and Voice
- FRANK DRIVER REEVE, B.A., M.A., University of New Mexico; Ph.D., University of Texas. Assistant Professor of History
- PARRY REICHE, B.S., Massachusetts Institute of Technology; Ph.D., University of California. Assistant Professor of Geology and Geologic Consultant
- J. T. REID, B.A., Howard Payne College; M.A., Baylor University; Ed.D., Columbia University. Associate Professor of Education, Director of Extension, and Director of Taos County Project
- ‡PAUL REITER, B.A., M.A., University of New Mexico. Instructor in Anthropology and Assistant Curator of the Museum of Anthropology
- JOHN DONALD ROBB, B.A., Yale University; Graduate of the Harvard University Law School; Juilliard School of Music; American Conservatory at Fontainebleau. Professor of Music and Head of the Department, Acting Dean of the College of Fine Arts
- §MARIA-ELISE RODEY, Student in Cincinnati Conservatory of Music and in École Normale de Musique, Paris. Part-time Instructor in Violin
- ARTHUR ROSENTHAL, Dr.Phil., University of Munich. Lecturer in Mathematics
- BENJAMIN SACKS, B.A., University of New Mexico; M.A., McGill University; Ph.D., Stanford University. Associate Professor of History
- ¶GEORGE ISADORE SANCHEZ, B.A., University of New Mexico; M.S., University of Texas; Ed.D., University of California. Associate Professor of Education
- DAVID SARVIS, B.A., Antioch College; M.F.A., Department of Drama, Yale University. Instructor in Dramatic Art
- LYLE SAUNDERS, B.A. in Educ., University of New Mexico. Research Associate, School of Inter-American Affairs.
- FRANCE SCHOLES, B.A., M.A., Harvard University. Visiting Lecturer in History
- FLORENCE MARGARET SCHROEDER, B.S., Iowa State College; M.A., Columbia University. Instructor in Home Economics
- ‡JAMES R. SCOTT, B.A., University of California; M.D., Cooper Medical College of Stanford University; Ph.D., George Washington University. Professor of Health
- MELA SEDILLO, B.A., M.A., University of New Mexico. Assistant Professor of Art
- WILMA LOY SHELTON, B.A., B.L.S., University of Illinois. Librarian. Professor of Library Science and Head of the Department
- TED C. SHIPKEY, B.A., Stanford University. Professor of Physical Education and Head Football Coach
- KATHERINE GAUSS SIMONS, B.A., Grinnell College; M.A., Columbia University. Instructor in English

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† Resigned June 2, 1941.

‡ On leave of absence, Semester I, 1941-42.

§ Resigned, May 22, 1941.

¶ Resigned, May 31, 1941.

‡ On leave of absence, 1941-42.

- ELIZABETH P. SIMPSON, B.S., University of New Mexico; M.S., Iowa State College. Professor of Home Economics and Head of the Department
- \*EDWIN FROST SMELLIE, B.S.E., M.S.E., University of Michigan. Associate Professor of Mechanical Engineering
- DANE FARNSWORTH SMITH, B.A., Vanderbilt University; M.A., Ph.D., Harvard University. Associate Professor of English
- EDWIN SNAPP, B.A., M.A., University of New Mexico; M.F.A., Yale University. Assistant Professor of Dramatic Art and Head of the Department
- VERNON G. SORRELL, B.A., State University of Iowa; M.A., University of Illinois; Ph.D., University of California. Professor of Business Administration and Head of the Department. Associate Editor of the *New Mexico Quarterly Review*.
- †LESLIE SPIER, B.S., College of the City of New York; Ph.D., Columbia University. Professor of Anthropology
- SOLOMON E. STARRELS, A.B., University of Cincinnati; Ph.D., University of London. Lecturer in Department of Philosophy
- GEORGE ST. CLAIR, B.A., M.A., Whitman College; Ph.D., University of California. Dean Emeritus of the College of Fine Arts and Professor Emeritus of English
- EDGAR ALAN SWALLOW, B.A., University of Wyoming; M.A., Ph.D., Louisiana State University. Instructor in English
- RALPH W. TAPY, B.S. in E.E., Rose Polytechnic Institute; M.S. in E.E., University of Michigan; E.E., Rose Polytechnic Institute. Associate Professor of Electrical Engineering and Head of the Department
- ‡GRACE THOMPSON, B.Mus., Defiance College. Associate Professor of Music
- §LOYD S. TIREMAN, B.A., Upper Iowa University; M.A., Ph.D., State University of Iowa. Professor of Elementary Education and Head of the Department. Director of the Nambé Community School
- OSCAR E. VALENTIN, Student of Cincinnati Conservatory of Music. Part-time Instructor in Violin
- EMILIE VON AUW, Diploma from New York School of Fine and Applied Art; Certificate, Fontainebleau, L'École Americain des Beaux Arts. Part-time Instructor in Art
- WILLIAM C. WAGNER, B.S. in C.E., C.E., South Dakota School of Mines; M.S. in Highway Engineering, Iowa State College. Associate Professor of Civil Engineering
- PAUL WALTER, JR., B.A., Stanford University; M.A., University of New Mexico; Ph.D., Stanford University. Associate Professor of Sociology and Head of the Department
- GEORGE WALTER WHITE, B.A., University of New Mexico. Assistant Dean, College of Education, Associate Professor of Education and Head of the Division of Physical Education and Health
- JAMES B. WILL, Captain, U.S.N., (Ret.); B.S., U. S. Naval Academy;

\* On leave of absence, 1941-42.

† On leave of absence, Semester I, 1941-42.

‡ On sabbatical leave, 1941-42.

§ On leave of absence, Semester II, 1941-42.

- M.S., Columbia University; Graduate of U. S. Naval War College. Professor of Naval Science and Tactics
- PAUL BROOKS WILLIS, Colorado College. Part-time Instructor in Art
- DOROTHY WOODWARD, B.A., Randolph-Macon Women's College; M.A., University of Colorado; Ph.D., Yale University. Assistant Professor of History
- ¶EVERLY JOHN WORKMAN, B.S., Whitman College; Ph.D., University of Virginia. Professor of Physics and Head of the Department
- DUDLEY WYNN, B.A., University of Texas; M.A., Ph.D., New York University. Associate Professor of English. Editor of *The New Mexico Quarterly Review*
- GUSTAVE ZIELASKO, B.A., College of Wooster; M.A., University of Michigan. Instructor in Physical Education for Men

## VISITING INSTRUCTORS

## Summer Session of 1941

- FLORA ANDREWS, B.S., University of New Mexico. Assistant Principal, Jefferson Junior High School. Demonstration Teacher
- H. L. BALLENGER, Ph.D., State University of Iowa. Visiting Instructor of Education
- MRS. CRAIG BLAKEY, B.S., Emory University. Visiting Instructor in Library Science
- JUAN R. CASTELLANO, Ph.D., University of Madrid. Vanderbilt University. Visiting Instructor in Languages
- VERA WOOD CORNELIUS, Colorado State College and the University of New Mexico. Demonstration Teacher
- DOROTHY A. DUCKWORTH, M.S., State University of Iowa. Frances Parker School, Chicago, Illinois. Visiting Instructor in Home Economics
- ORA FITZGERALD, B.S.; University of New Mexico. Demonstration Teacher
- KEITH C. HARDER, Ph.D., University of Iowa. Inservice Training, Tennessee Valley Authority. Visiting Instructor in Education
- JAMES HOULOOSE, M.D., Rush Medical College. University of Chicago. Visiting Instructor in Education
- MARGUERITE ISAACSON, B.B.A., University of Colorado. Visiting Instructor in Social Arts
- BLANCHE JONES, Michigan State Normal, University of Michigan. Demonstration Teacher
- J. BUREN LINTHICUM, M.A., University of Southern California. Principal of Longfellow School. Visiting Instructor in Education
- ELVA MCFIE, M.A., University of Nebraska. Visiting Instructor in Art Education
- J. LLOYD MECHAM, Ph.D., University of California. Visiting Instructor of History
- J. C. RUSSELL, Ph.D., Harvard University. Visiting Instructor of History
- LUVERNE SCHATZ, B.A., Colorado State College of Education. Demonstration Teacher
- CARL H. SKINNER, Ed.D., Stanford University. Visiting Instructor of Education

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¶ On leave of absence, Semester I, 1941-42.



WHITNEY E. STONEBURNER, M.A., Ohio State University. Visiting Instructor of Education

ARNOLD TILDEN, Ph.D., University of Southern California. Visiting Instructor of History

MARY WATSON, B.A., New Mexico Normal University. Visiting Instructor of Education

C. V. WICKER, Ph.D., University of Pittsburgh. Visiting Instructor of English

EDWARD F. WILLIS, Ph.D., University of California. Visiting Instructor of History

### Anthropology Field Session

August, 1941

### General and Advanced Field Sessions (Chaco Canyon)

ERNST V. ANTEVS, Ph.D., Stockholm. Research Associate in Paleontology, Carnegie Institution of Washington. Geology and Climate in Relation to Early Man

WALTER CLINE, Ph.D., Harvard. Assistant Professor of Anthropology, University of Minnesota. Special Lecturer in North African Ethnology

HAROLD S. COLTON, Ph.D., Pennsylvania. Director, Museum of Northern Arizona. Special Lecturer in Southwestern Archaeology

HARRY HOIJER, Ph.D., Chicago. Associate Professor of Anthropology, University of California at Los Angeles. Lecturer and Field Supervisor of Linguistics

ALFRED E. HUDSON, Ph.D., Yale. Associate in Anthropology, University of Washington. Special Lecturer in Central Asiatic Ethnology.

WILLIAM MULLOY, B.A., Utah. State Supervisor, Montana Archaeological Survey. Assistant Supervisor of Excavations

FRANK H. H. ROBERTS, JR., Ph.D., Harvard. Archaeologist, Bureau of American Ethnology, Smithsonian Institution. Lecturer in Southwestern Archaeology

ANNE COOKE SMITH, Ph.D., California. Formerly Lecturer in Ethnology, University of New Mexico Field Sessions. Special Lecturer in Great Basin Ethnology

LELAND C. WYMAN, Ph.D., Harvard. Associate Professor of Physiology, Boston University School of Medicine. Field Supervisor of Ethnology

### Instructors and Critic Artists

### Field School of Art at Taos

KENNETH M. ADAMS, Chicago Art Institute; Art Students' League of New York; Ransom Academy, Paris. Instructor

ERNEST L. BLUMENSCHIEIN, Art Students' League of New York; Julian Academy, Paris. Critic Artist

ANDREW DASBURG, Art Students' League of New York. Instructor

VICTOR HIGGINS, Academy of Fine Arts in Chicago, Art Institute of Chicago. Instructor

JOSEPH IMHOF, Academy at Munich; Gewerbe Schule at Munich; studied in New York, Paris, Antwerp, and Amsterdam. Instructor  
 BARSE MILLER, National Academy of Design; Pennsylvania Academy of Fine Arts, Breckenridge. Visiting Instructor

### EXTENSION DIVISION

#### Non-Resident Instructors

J. K. JENSEN, B.S., University of New Mexico. Instructor in Ornithology

#### ASSISTANTS

- \*EDITH STEPHENS BLESSING, B.A., Vassar College; M.A., University of New Mexico. Teaching Assistant in English
- EUPHA ALICE BUCK, B.A., M.A., University of New Mexico. Teaching Assistant in Mathematics
- HORACE CRITCHLOW, B.A., University of Utah. Teaching Assistant in English
- \*THOMAS CARMEN CAPRARO, B.S., Stroudsburg Teachers College; M.S., University of New Mexico. Teaching Assistant in Biology
- ZOILA SANCHEZ, B.S. in P.E., University of New Mexico. Teaching Assistant in Department of Physical Education for Women
- MARY A. THOMPSON, B.S., State Teachers' College, Tennessee; M.A., University of Tennessee. Teaching Assistant in Department of Physical Education for Women
- MARIE POPE WALLIS, B.A., University of California at Los Angeles; M.A., M.S., University of Southern California. Teaching Assistant in Department of Modern Languages
- BIRDIE BRYAN WEST, B.S. in P.E., University of New Mexico. Teaching Assistant in Department of Physical Education for Women

#### GRADUATE FELLOWS

- \*LUCIE ELLIOTT ADAMS, B.A., University of Denver. Modern Languages
- EARL D. CAMP, B.S., Texas Technological College. Biology
- CHARLES DOMENICALI, B.S., University of New Mexico. Physics
- \*ROBERT DUKE, B.A., University of New Mexico. History
- WILLIAM DWYER, B.S. in P.E., University of New Mexico. Physical Education for Men
- \*DARYL FREY, B.A. in Educ., University of New Mexico. Government
- RICHARD GREER, B.A., Kansas State Teachers' College. History
- J. ROBERT GROVE, B.S. in Educ., Shippensburg State Teachers' College. School Administration
- \*LILBURN HOMAN, B.A., University of New Mexico. Government
- JOHN KULP, B.Arch., Cornell University. Art
- CHARLES LANGE, B.A., University of New Mexico. Anthropology
- CONRAD NÆGLE, B.A., New Mexico State Teachers' College. History
- \*CHARLES W. SCIUTTO, B.A., University of California at Berkeley. Modern Languages
- \*CASWELL SILVER, B.S., University of New Mexico. Geology

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\* Semester I, 1941-42.

- \*ROBERT SPENSLEY, B.S., University of New Mexico. Biology  
 MARIE POPE WALLIS, B.A., M.A., University of Southern California.  
 Modern Languages  
 FREDERICK WIEBERS, B.S. in Educ., University of New Mexico. Education  
 FRED WORMAN, B.S. in Educ., University of New Mexico. Biology  
 ANCHARD ZELLER, B.S., University of New Mexico. Psychology

## STUDENT ASSISTANTS

- \*BEN ANZURES, Library  
 BEVERLY CARRICK, Library  
 FLORENCE CLINE, Anthropology  
 JOHN DALY, Receiving Room  
 BOB DARNELL, Post Office  
 ALTA DODSON, Library  
 TRUDELLA DOWNER, Biology  
 JIMMIE ELROD, Library  
 ARNOLD FEIL, Biology  
 WILNA GILLESPIE, Library  
 LARS HALAMA, Government  
 GEORGE HEMENWAY, Geology  
 CAROL LOUISE HOLLAND, Personnel Office  
 JUNE HORN, Mathematics  
 ELINOR JONES, Physical Education for Women  
 CHARLES LANIER, Library  
 VIOLA LUNA, Library  
 ROBERTA MITCHELL, Library  
 SARA MOREHEAD, Tests and Records  
 MARTHA MORRIS, Hokona Hall  
 WOODROW NESMITH, Physical Education for Men  
 ADELINE OLSON, Library  
 JOE PERINO, Post Office  
 GEORGE PROTHRO, Biology  
 ELAINE SIMPSON, Hokona Hall  
 DAVID STEVENS, Chemistry  
 \*MAURICE THOMPSON, Receiving Room  
 MARION SEBASTIAN, Receiving Room  
 †IRMA YARBROUGH, Library

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\* Semester I, 1941-42.

† Semester II, 1941-42.

## GENERAL INFORMATION

### Aim

The aim of the University of New Mexico is to place the resources of higher education of the state at the disposal of its citizens. With this end in view the University carries on not only an extensive program of instruction, but also a systematic program of research and original investigation. As a teaching institution the University endeavors to place its facilities at the disposal of any person who desires and has sufficient qualifications to use them. As a research institution, the University endeavors to advance knowledge, especially in those fields related to the welfare of the state as a whole. In performing its functions, the University endeavors to attract young men and women of ability and character, and to train them for leadership.

### Accrediting

The University has been a member of the North Central Association of Colleges and Secondary Schools since 1922. Approval of the Association of American Universities was given to the University in 1933, and the Association of American University Women recognized the University in the same year. In 1937 the College of Engineering was approved by the Engineering Council for Professional Development.

### Situation

The University is situated in Albuquerque, a metropolitan area of 65,000 inhabitants. The elevation of the campus is over 5,000 feet above sea level. The climate is mild throughout the year. Albuquerque is noted for its dry and sunny weather.

The city is on the main line of the A. T. & S. F. Railway, continental air lines, and is served by major transcontinental bus lines. U. S. Highway 66 and 85 intersect at Albuquerque.

Historic Santa Fe is approximately sixty miles to the north and the picturesque Indian pueblos of Taos, Jemez, Isleta, and Acoma are within easy driving distance.

### History

The University of New Mexico was created in 1889 by an act of territorial legislation. The institution was opened as a summer normal school on June 15, 1892, and began regular instruction on September 21. The first nominal president was The Honorable E. S. Stover, who served five years. During this period, Principal George S. Ramsey was in direct charge of the institution for two years. Professor Hiram Hadley, vice-president, was in charge from 1894 to 1897. During his administration, the College of Arts and Sciences was incorporated. In the summer of 1897, the Regents of the University elected Dr. C. L. Herrick, of Denison University, as the first active president. Dr. William G. Tight, also of Denison University, succeeded President Herrick. Under this administration the University adopted its unique architectural style, and incorporated the Engineering College. Upon the resignation of President Tight in 1909, Dr. E. D. McQueen Gray served as president until 1912. He was followed by Dr. David Ross

Boyd. In 1919 the Regents chose as president Dr. David Spence Hill, who served until September 1, 1927. During his administration, the Graduate School was established. Dr. James Fulton Zimmerman was Acting President from January 22 until September 1, 1927, at which time he became President.

The physical and numerical growth of the University has been rapid since that date. In 1928, the College of Education was incorporated; in 1935, the General College; and in 1936, the College of Fine Arts.

A unit of the United States Naval Reserve Officers Training Corps was established May 20, 1941. The School of Inter-American Affairs was instituted during the same year.

#### Government and Support

The government of the University is vested in the Regents and the Faculty. Five Regents are appointed by the Governor of the state for a term of four years; the Governor and the Superintendent of Public Instruction are ex-officio members of the Regents.

The University is supported chiefly by appropriations made by the State Legislature, by income from the rental of lands granted to it by the Federal Government, by the income from royalties on the oil taken from these lands, and by student fees.

#### Campus and Buildings

The campus of the University is in the eastern environs of the city of Albuquerque, and within ten miles of the Sandia Mountains. The University's architectural style, a modification of the Indian pueblo, was adopted in 1905. The campus buildings include: Hodgin Hall, housing the College of Education; the maintenance shop; residential halls (Hokona for women; Kwataka, Yatoka, the New Dormitory, and the Coöperative Dormitory for men); Rodey Hall (the campus theater); Science Hall; Chemistry Building; Hadley Hall (the engineering building); Sara Reynolds Hall (home economics building); Press Building; Fine Arts Building; Parsons Hall (biology building); Lecture Hall; Carlisle Gymnasium; President's Residence; Dining Hall; Stadium Building; Administration Building; State Public Health Laboratory; Student Union Building; NYA Workshop; the Central Heating Plant; and the Library.

Outdoor recreational facilities on the campus include a new eighteen-hole golf course, baseball diamond, swimming pool, tennis courts, and riding stables.

#### The Library

The Library contains approximately 84,675 volumes. All students have direct access to more than 7,000 volumes in the general reading room seating 256, and to more than 682 current periodicals in the Periodical reading room, which seats 48. The Browsing room, shelving 2,000 volumes, houses the White Memorial collection, the Art and Music books from the Carnegie Corporation, and the International Relations Club library given by the Carnegie Endowment for International Peace.

The Library is a designated depository of government documents, and these publications, together with those received from colleges,

universities, and various learned societies, constitute a valuable reference collection. Through the courtesy of New Mexico editors, a number of newspapers of the state are received and kept on file.

The Reserve book room shelving 4,536 volumes and seating 96 readers, contains books placed in the room at the request of the faculty. These books must be used in the Reserve reading room and may not be taken from the Library until 9 p. m., except on Saturday, when they may be taken out at 5 p. m.

The Library of Congress depository catalog contains more than 2,000,000 cards available for bibliographical uses and helpful in arranging for inter-library loans.

The Library is primarily for the use of the faculty and students of the University, but residents of the state are urged to consult it freely. Books and pamphlets are lent upon request, and, when it is impossible to lend material, reference lists or suggestions as to the sources of information are gladly given. During the summer session the Library is open from 6:45 a. m. to 10:00 p. m. every day except Sunday.

The Library has the following special collections:

The **Van de Velde collection** of Mexican materials consists of 8,686 bound volumes, 93 maps, and approximately fifty linear feet of pamphlets. The range of the subject matter is broad, covering archaeology, ethnology, geology, folklore, geography, biography, literature, arts and crafts, and the entire history of Mexico.

The **Coronado Library** contains manuscript collections, state publications, books about New Mexico, and bound photostats of materials, which have been made from the original archives in Mexico, Spain, and Santa Fe. By an arrangement with the Historical Society of New Mexico, the Coronado room also contains territorial, state, and county archival materials.

The **Catron collection**, loaned by C. C. Catron, T. B. Catron, F. A. Catron, and J. W. Catron, covers practically every field of knowledge.

The **Wilson collection**, contributed by Mr. George A. Kaseman in 1922, contains 170 volumes dating from 1533 to 1803. The books are in Latin, Spanish, French, and Italian, and treat for the most part law, history, medicine, philosophy, and religion.

The **Otero collection**, contributed by Ex-Governor and Mrs. M. A. Otero in December, 1939, contains 465 volumes on the Southwest and general fields, as well as a valuable manuscript and museum collection.

### Laboratories

The Colleges of Engineering and Education and the Departments of Anthropology, Biology, Chemistry, Geology, Home Economics, Physics, and Psychology maintain modern, well-equipped laboratories.

### Museums

(In Administration Building)

**Anthropology.**—A museum hall, in connection with the Department of Anthropology, houses varied material of anthropologic interest. The ceramic collection is especially strong, with the several

Southwestern ceramic areas, Mexico, and Peru being well represented. Southwestern and Peruvian textiles, stonework from the Southwest and the Great Plains, and bone and wood artifacts from the Southwest are also on exhibit. Recent additions include typical artifacts from Alaska and the Northwest coast, including a 45 foot totem pole erected on the campus. Novel features are dendrochronologic and ceramic-type charts.

**Geology.**—The geology museum has a double purpose: it is designed to serve the general public and to supplement the instructional program. Exhibits include a systematic series of minerals, a stratigraphic series of fossil animals and plants, and a paleontologic series of fossil and modern invertebrates. Other notable features are a type collection of New Mexico meteorites, a fluorescence-phosphorescence exhibit, and an exhibit illustrating how fossils are preserved.

## ADMISSION AND REGISTRATION

### Admission

**Credentials.**—All communications regarding entrance should be addressed to the Registrar. The University requires that each new student have his credentials sent directly to the Registrar from the high school or college previously attended. Transcripts in the possession of students are not acceptable for entrance purposes. Students are urged to have their credentials sent at least one month before the opening of the semester. It should be understood that delay in presenting these credentials may cause postponement of registration with resulting inconvenience to the student. No student may enroll until the required credentials are in the hands of the Registrar.

*All communications regarding living accommodations, board and room, etc., should be addressed to the Personnel office, University of New Mexico. (See Dining and Residential Halls.)*

**Admission of Freshmen.**—Each freshman is required to present an application for admission, and a transcript of his high school record signed by the principal or superintendent. An application for admission will be found in the back of the catalog, or additional copies may be obtained from the Registrar. In case the high school does not have a form for transmitting the high school record, transcript forms may be obtained by addressing the Registrar.

Each freshman is also required to take a series of tests (see "Freshman Week" below). These tests sometimes reveal information which is used in recommending the college which the freshman should enter, the courses which he should undertake, and the amount of work which appears advisable for him to attempt. If the tests reveal a marked weakness in preparation, the University authorities may require that the student take up a special program of work in the General College before he may enter upon a degree course in one of the regular colleges, or the student may be required to take certain non-credit courses designed to remove such weaknesses.

The University recommends that freshmen be at least 16 years of age, although exceptions are occasionally made.

In view of the advantages offered by the course, the University recommends that all eligible male freshmen make application for the N. R. O. T. C. Course, and present themselves to the Professor of Naval Science and Tactics for physical examination and entrance requirement tests.

**Admission by Certificate.**—Graduates of accredited high schools may be admitted to the University upon presentation of transcripts showing graduation from a four-year high school with 15 satisfactory units, or graduation from a senior high school with 11 satisfactory units. The term "unit" means the completion of a course of study consisting of recitation periods of at least 40 minutes each, held 5 times a week during 36 weeks.

Applicants who desire to enter the College of Engineering and who do not present three units of mathematics, will be required to take Mathematics A in addition to the regularly required freshmen



courses. Of the three units of mathematics required for admission to the College of Engineering,  $1\frac{1}{2}$  units should be in algebra and 1 unit in plane geometry. A student will not be admitted to the College of Engineering without credit in Plane Geometry.

If the applicant is not a high school graduate, but has completed the 15 required units in an accredited high school, he may be admitted to the University upon written recommendation of his principal or superintendent.

High schools in New Mexico accredited by the North Central Association of Colleges and Secondary Schools or by the State Department of Education, and high schools in other states accredited by regional associations, or by the universities of those states, are accredited by the University of New Mexico.

In the admission of graduates of senior high schools, no attention need be paid to the work done in the junior high school, except as this may indicate courses preparatory to those completed in the senior high school. For example, if the second year of a language is completed in the senior high school, the applicant's transcript should show that the first year has been completed in the junior high school.

*Admission by Examination.*—Graduates of non-accredited or partially accredited high schools, or applicants whose high school preparation is incomplete, are expected to take examinations to validate, or earn credit in, that portion of their work which is unaccredited or incomplete. Entrance examinations are given at the University at the beginning of each semester. Applicants who desire to take examinations should notify the Registrar at least two weeks in advance.

*Recommended High School Units.*—For the student preparing for college, the following units are recommended: English 4, mathematics 2 (for Engineering 3), language 2, science 2, social science 2, electives 3 or 4. However, the student may be admitted without deficiency with the following minimum requirements: English 3, mathematics 1 (for Engineering 3), social science 2 (including 1 in American History or American History and Civics), laboratory science 1, electives 8 (or in Engineering 6).

*Freshman Week.*—At the opening of each fall semester a "Freshman Week" program is conducted. The purpose of this program is to acquaint the freshman with some of his fellows, to help him to feel more at home in new surroundings, to permit him to meet advisers and counselors, and to familiarize him somewhat with University methods and life. In addition to the preliminary registration and the various tests, numerous recreational and educational events are held.

*Attendance Required.*—Attendance of all freshmen with less than 10 semester hours credit is required during the entire Freshman Week period, but transferring students who have less than 60 hours of college credit are advised to attend all exercises except the tests. All new students are required to take the psychological test.

*Time.*—The Freshman Week program for the year 1942-43 will begin on Wednesday morning, August 19, at 8 a. m., at which hour all freshmen should report at Carlisle Gymnasium. The program will culminate with freshman registration on the morning of Friday, August 21.

*Tests for Freshmen.*—In order to make a comparison of the ability, training, and background of the different members of the freshman class, the University administers a series of intelligence, placement, and achievement tests. A medical examination is also required for each student. Deans and advisers consider these tests quite helpful to their consultation and guidance relationships with the new student. The tests are designed principally to reveal the student's aptitude for college work, and to assist in placing the student in courses of the proper level.

Every student registered in freshman English is examined as to his ability to use clear, correct, idiomatic English. No student can pass this test or continue in English 1a who shows serious weakness in spelling, punctuation, grammar, diction, or sentence structure. Students who do not pass the test are enrolled in English A.

*Admission of Students with Advanced Standing.*—The new student who has attended other colleges or universities shall request the authorities at each institution attended to send an official transcript of his record to the Registrar of the University. The student is also required to make application for admission on the form which will be found at the back of the catalog. When the preparatory credits have not been accepted, and reported on the college transcript, the student is required to have a transcript of his high school work sent to the Registrar. Transferring students are urged to present the necessary credentials early, so that they will not encounter delay in registration.

Information concerning the standing of transferring students cannot be given until the application for admission and all necessary transcripts are in the hands of the Registrar. Neither is it possible to advise the student of his standing from a list of credits submitted in a letter. After the applications and transcripts have been received, an evaluation is made, and a copy sent to the student. The student should retain this copy, and bring it with him for registration purposes.

Students from fully accredited institutions ordinarily will be given full credit for work transferred, insofar as the courses taken are the same as, or equivalent to, courses offered in the college in which the student enrolls in this institution, provided the work is of the average quality required for graduation from the University of New Mexico. Only an approximate evaluation can be made prior to the student's registration, and all credit is tentative until the student has completed at least one semester of satisfactory work in residence.

Credits transferred from an accredited junior college will be accepted up to a maximum of 64 semester hours plus 4 semesters of physical education. In accepting junior college credits, no courses will be considered as above sophomore level.

Credit earned by students transferring from unaccredited institutions is usually accepted on the same basis as by the state university of the state in which the institution is situated. Where it seems proper, examinations for the validation of credit may be required.

A student who is disqualified for re-registration in any other college or university, or whose grade-points earned total less than one-half the hours attempted, may not be considered by the Committee on Entrance and Credits for admission to the University of New Mexico

until the period of his disqualification has expired, or until he has been out of school for one semester.

The Committee on Entrance and Credits will consider unusual cases on their merits.

Teachers and prospective teachers should note that teaching certificates are issued by the State Department of Education, Santa Fe, New Mexico. The transferring student who wishes to have an evaluation from the University, and a check-up of his eligibility for a teaching certificate, should have original transcripts sent both to the University Registrar and to the State Department of Education.

**Admission of Special Students.**—Persons over twenty-one years of age who cannot meet the regular entrance requirements may be admitted as special students, provided they secure the permission of the instructors whose work they desire to take and the approval of the dean of the college concerned. Students over twenty-one who do not wish to work toward degrees at the University of New Mexico may also be admitted as special students under the same conditions, provided they have not attended any college or university during the semester immediately preceding their enrollment here. Applicants coming direct from high school will not be permitted to enter as special students. By virtue of his classification, the special student is not eligible for any degree, but may become a candidate ultimately by completing the admission requirements.

The student entering as a special should make application on the provided form. If he intends to establish regular status here, he should present official transcripts of any high school or college credit which he may have earned previously. He will not be permitted to continue his status as a special student longer than one year, except by special permission of the Committee on Entrance and Credits.

**Admission of Unclassified Students.**—Students transferring from unaccredited or partially accredited institutions are unclassified until they have validated credit in accordance with the University regulations. Students who are temporarily absent from other institutions are also registered as unclassified. In such cases transcripts of high school credit and statements of honorable dismissal from the last institutions attended are required.

**Admission of Auditors.**—Mature students may attend classes as auditors, without credit, upon the permission of the instructors concerned and of the dean of the college in which most of the audited courses lie. Auditors are required to pay regular fees. They must, upon registration, declare themselves as auditors and may not change to a credit basis after the first five weeks of the semester.

**Admission of Graduate Students.**—See Graduate Bulletin.

#### Registration

**Materials Needed.**—Each student should bring his copy of the general catalog to registration. The freshman should have in his possession the notice of admission. The transferring student should have a copy of his evaluation of transferred work. The student who has previously attended the University should have in his possession a photo-

static copy of his permanent record. This copy will be placed in the returning student's registration envelope, if the student notifies the Registrar of his intention to re-enroll.

**Time of Registration.**—Students are required to register on the days set aside for registration (for dates, see University Calendar). The late registration fee is charged to each student who does not complete his registration on the specified days. Registration contemplates completing the entire procedure, including payment of fees. Prompt registration is at all times encouraged. No student may enroll late in any course unless he has the permission of the instructor concerned. A student may not be admitted to the University more than ten days after the opening of a semester, except with the permission of the dean.

**Registration Procedure.**—Details of the registration procedure are contained in a special notice issued by the Registrar, and distributed to students on the days of registration.

**Completion of Registration.**—When the student has followed the prescribed registration procedure, and has paid his fees, his registration is complete. The University will hold the student responsible for completion of the courses for which he has been enrolled, unless he obtains approval for a change in his registration.

### Changes in Registration

**Change in Program of Studies.**—The student who desires to add a course to, or drop a course from, his program of studies, should obtain from his dean a petition for change in program of studies. The student obtains signatures called for on this form, and returns it to the office of his dean. The dean sends the form to the Registrar's Office, where official entry is made on the student's record.

Students who drop a course at any time without permission will receive a grade of F in the course. A fee of \$1.00 is charged for any change made in the student's program of studies after the end of the second week of the semester, or after the end of the first week of the summer session.

**Change in Major or Minor.**—At the beginning of the junior year, each student should declare his major and minor study, and make his application for a degree. A form for this purpose may be obtained from the Office of the Registrar, and after completion of the form, it should be returned to that office. If the student later wishes to apply for a different degree, change his major or minor, or change his college, he should complete a new application for degree, and return it to the Registrar.

**Change in College.**—A student who desires to change his registration from one college to another shall petition the dean of his college. This petition requires approval of the deans of both colleges and is then filed with the Registrar.

**Change in Address.**—Each student is expected to keep the University authorities informed as to his address. Any change in address should be immediately reported to the Registrar.

**Withdrawal from the University.**—When a student wishes to cancel his registration and withdraw from the University during the

semester, he should secure a withdrawal card from the Personnel Office; the graduate student should secure the withdrawal card from the Dean of the Graduate School. Grades of W or F are shown on the student's record if he withdraws from the University after the first five weeks of the semester or first two weeks of a summer session. When a student leaves the University during a semester and does not carry out his withdrawal according to this regulation, he renders himself liable for a grade report of F in all of his classes, even though he is passing his courses up to the time of leaving.

**Addition of Correspondence or Extension Courses to Program.—**

A resident student may enroll for correspondence and extension courses only when the addition of such course does not cause the student's program to be in excess of the maximum load allowed, and only after permission has been given by the dean of his college.

**Medical Examinations**

A medical examination, including a Wasserman test and a tuberculin skin test, is required of each new student following registration. These tests are given without charge by the University physician, but students who, without valid reason, fail to keep their examination appointments will be fined. Health-seeking students are accepted at the University if, in the judgment of the University physician, their work does not endanger themselves or their associates. The University may refuse registration to, or cancel the registration of, any student who is physically unfit to carry on class work, or whose physical condition might be a menace to the health of other students.

**Degree Courses**

For specific requirements leading to degrees in the various curricula, students should refer to the courses of study outlined in the listings of the different colleges.

## EXPENSES

### Tuition and Fees

All fees are due at the time of registration. A fee of \$2 will be assessed if registration is not completed on the days specified.

In addition to the matriculation fee of \$5, which is paid once by each student upon his first registration in the University, other fees are charged according to the number of semester hours in the student's course. Auditors pay the same fees as those who take work for credit.

#### Registration Fees, Undergraduate Students, Per Semester.—

	More than six hours	Three to six hours	Three hours or less
Tuition* -----	\$30.00	\$15.00	\$10.00
Health Fee -----	3.00	-----	-----
Student Activities Fee† -----	8.93	-----	-----
Student Bond Fee -----	2.00	2.00	2.00
Breakage Deposit‡ -----	5.00	5.00	5.00
	<hr/>	<hr/>	<hr/>
	\$48.93	\$22.00	\$17.00
*If a non-resident, add tuition	45.00	25.00	10.00
	<hr/>	<hr/>	<hr/>
	\$93.93	\$47.00	\$27.00

†Includes \$.43 Federal Tax

#### Registration Fees, Graduate Students, Per Semester.—

	\$30.00	\$15.00	\$10.00
Tuition* -----	\$30.00	\$15.00	\$10.00
Health Fee -----	3.00	-----	-----
Student Bond Fee -----	2.00	2.00	2.00
Breakage Deposit‡ -----	5.00	5.00	5.00
	<hr/>	<hr/>	<hr/>
	\$40.00	\$22.00	\$17.00
*If a non-resident, add tuition	45.00	25.00	10.00
	<hr/>	<hr/>	<hr/>
	\$85.00	\$47.00	\$27.00

Note: Graduate students enrolled for thesis only pay a \$15.00 tuition fee, and breakage deposit.

#### Other Fees for Special Services.—

Change in program after end of second week, except upon written demand of the instructor -----	\$ 1.00
Late registration fee -----	2.00
Late physical examination fee -----	1.00
Examination to raise X to D -----	2.00
Fee for removal of Incomplete grade -----	2.00
Examination for validation of credit, per course -----	2.00
Other special examinations -----	2.00
Examination for advanced standing, per credit hour -----	2.50
Transcript of credits (extra copies 25c each) -----	1.00
Penalty for dishonored checks -----	1.00

† Paid once yearly and refundable, less charges.

Diploma fee, bachelor's or master's degree -----	10.00
Binding master's thesis, per copy -----	1.50

**Additional Fees.—**

Individual music instruction, per lesson -----	\$ 1.25
Introduction to Radio -----	4.00
Radio Writing -----	4.00
C. A. A. Pilot Training Program -----	To be determined
Equitation, per semester -----	10.00
Fencing, per semester -----	3.00
Golf, per semester -----	3.00
Pipe organ rental, per semester -----	12.00

**Non-Resident Tuition Fees.**—The 1941 Legislature passed a law defining the non-resident tuition requirements as follows:

A non-resident student shall be charged not less than One Hundred and Fifty Dollars (\$150.00) per year, based on a nine month school year; providing that any student having graduated from a non-resident high school shall be considered a non-resident unless he or she shall have spent not less than twelve (12) months in residence in the State of New Mexico after becoming twenty-one (21) years of age while not attending school, or whose parents are legal residents of the state.

Upon request of the University authorities, students must furnish proof of their residence in the state of New Mexico. If a person other than the parent is named as guardian, the student will be required to furnish evidence of court appointment.

**Health Fee.**—The University maintains a full-time physician with offices in Carlisle Gymnasium. All students enrolled for seven or more semester hours are eligible to consult him in case of illness or injury. The physician's office is reasonably well equipped with instruments and medicines, and any work which can be done in the office is financed by the semi-annual health fee. Major and minor surgery and critical illness will be referred to local physicians at the student's expense.

**Student Activities Fee.**—The assessment of this fee is a voluntary action of the student body, through its organization, the Associated Students of the University of New Mexico. At registration, the University collects this fee as an accommodation to the Associated Students. The activities fee is distributed to the student organizations as shown in the Constitution of the Associated Students. Copies of the constitution may be obtained from the Personnel Office.

**Withdrawals and Refunds.**—All fees, except the matriculation fee, will be refunded to students voluntarily withdrawing from the University before the end of the second week of the session. Students voluntarily withdrawing later than the second week, but before the end of the ninth week of the semester, will be entitled to a refund of one-half of the tuition, and the guarantee deposit. Students withdrawing after the ninth week and students withdrawing at any time under discipline or because of academic deficiencies, will be entitled to a refund of the guarantee deposit only.

**Estimate of Total Expense.**—The minimum amount necessary for expenses while attending the University of New Mexico for two semesters is estimated as follows:

Tuition and fees -----	\$ 95.00
Books and supplies -----	25.00
Board and room (according to type of room) \$279.00 to 360.00	
Laundry (sent off campus) -----	50.00

Non-resident students should add \$90.00 to the tuition costs. Students in residential halls are charged a recreational and social fee of \$1.50 each semester.

#### Dining and Residential Halls

All matters pertaining to living accommodations for students are under the direction of the Personnel Office. Inquiries concerning living accommodations should be addressed directly to that office.

**Room Reservation.**—After a student has been notified by the Registrar that he is admitted, he should make written application to the Personnel Office for a room reservation in a residential hall. This application must be accompanied by a five dollar remittance, which will apply toward the first month's room rent. Should the applicant find it impossible to keep his reservation, he should notify the Personnel Office not later than one week before the first day of registration. In such cases the five dollar reservation fee will be refunded. All students occupying rooms in residential halls are required to take their meals at the dining hall. Dormitory residents must furnish their own bedding, linens, and curtains.

Upon receipt of the five dollar reservation charge and upon notification from the Registrar that the applicant has been accepted for admission, the Personnel Office will send the applicant a receipt and room card. Should there be any question concerning the applicant's admission, the room card and receipt will be held and only a tentative reservation made.

**Room Regulations.**—Dormitory rooms are available to undergraduate men and women students. A list of approved rooming places near the campus for men and all graduate students is published every semester by the Personnel Office. Women students are not permitted to room in houses where men are rooming.

Freshman women whose homes are not in Albuquerque are required to live in the University residential halls for one year. Other undergraduate women whose homes are not in Albuquerque are required to live in the University residential halls or sorority houses. Exceptions to this regulation include: special adult students; regularly enrolled students who are over twenty-one years of age, and registered for 6 hours or less; women students who are working for board and room in approved homes.

No woman student may change her place of residence without the consent of the Dean of Women. The University reserves the right to determine where a student may reside.

**Opening and Closing Dates.**—Residential halls will be open for freshmen at 1 p. m. on August 18, 1942, and for all other students at 1 p. m. on August 20, 1942. The dining hall will be open for freshmen at noon on August 19, 1942, and for all other students at noon on



August 21, 1942. Under no circumstances will arriving students be admitted to the residential halls after 10 p. m. or before 8 a. m.

Students who have made room reservations and have a room card report to the residential halls upon arrival. Students who do not have reservations report immediately to the Personnel Office.

All occupants of residential halls must vacate their rooms by 5 p. m. on the last day of the first semester unless they expect to return for the second semester. All rooms must be vacated by 5 p. m. on Commencement Day unless arrangements have been made to return for the summer session.

**Rates.**—It is required that room and board, and social fee be paid in advance at the office of the Comptroller. Students not living in the dormitories, and other persons connected with the University may procure meals at the dining hall if space is available. Board and room for a fractional month at the beginning and close of the school year will be charged on a pro rata basis. The full amount of room rent will be charged for December and January. The following rates are subject to change whenever necessary to defray operating costs of the dining hall and residential halls:

Board and room, per calendar month:

Women's Building:

Single room—

Center Hall -----	\$31.50
North Hall -----	35.00
New Hall -----	40.00

Double room (2 students)

South Hall -----	33.50
New Hall -----	37.00

Suite (2 bedrooms and study for 2 students)

Center Hall -----	31.00
North Hall -----	37.50

Men's New Building: Double room—2 students ----- 37.50

Yatoka Hall for Men—Suites ----- 35.00

Coöperative Dormitory for Men ----- 25.00

(This amount may vary each month contingent upon actual expenses.)

Board only, per calendar month for non-resident of dormitories ----- 27.50

Board only, per day—less than a month ----- 1.00

Recreational and social fee, per semester ----- 1.50

Single meals for guests:

Breakfast -----	.25
Luncheon -----	.35
Dinner -----	.40
Dinner (Noon Sundays and holidays) -----	.75

**Guests.**—With the consent of the proctor or chaperon, students may entertain guests overnight in the residential halls. The guest will be charged fifty (50) cents per night. When a guest is to have meals at the dining hall, the clerk at the dining hall should be notified and the guest's meals will be charged to the account of the resident..

**Refunds.**—No refund is made on room rent. Refunds for board are made only for absences of seven or more consecutive days. These absences must be excused in writing by the Dean of Men or the Dean of Women, and with the approval of the Director of the dining hall.

## GENERAL ACADEMIC REGULATIONS AND GENERAL DEGREE REQUIREMENTS

### Class Hours and Credit Hours

A class hour consists of fifty-three minutes. One class hour a week of recitation or lecture, throughout a semester, earns a maximum of one credit hour. One class hour a week of laboratory, orchestra, chorus, or physical training, throughout a semester, earns from one-third to one-half credit hour. One half-hour individual lesson a week in applied music, throughout a semester, earns two credit hours.

### Grades

The grades awarded in all courses are indicative of the quality of work done. Their significance is as follows:

**A, Excellent.** 3 grade points per credit hour.

**B, Good.** 2 grade points per credit hour.

**C, Average.** 1 grade point per credit hour.

**D, Barely Passed.** No grade points.

**F, Failed.** F is also given in any course which the student drops after the fifth week of a semester or second week of a summer session, while doing failing work.

**I, Incomplete.** The grade of I is given only when circumstances beyond the student's control have prevented his completing the work of a course within the official dates of a session. (See grade of PR.) The I automatically becomes an F if not removed (1) within the first twelve weeks of the next semester of residence, (2) within the next four semesters. The student may change the I to a passing grade by satisfactorily performing the work prescribed by the instructor. The student obtains from the office of his dean a permit to remove the I, pays the \$2.00 fee, and takes the card to the instructor, who completes it and returns it to the office of the dean. The dean forwards this permit to the Registrar where official entry on the student's record is made.

**W, Dropped, Without Discredit.** W is given in any course which the student drops after the fifth week of the semester or second week of the summer session, while doing passing work.

**CR, Credit.** Course in physical education or ensemble music passed. CR is also used to report satisfactory completion of Master's thesis.

**NC, No Credit.** Course in physical education or ensemble music failed. NC is also used to report unsatisfactory completion of Master's thesis.

**PR, Progress.** This grade is used to indicate that Master's thesis, or a graduate problem, is in progress but not complete. When the problem is complete, a regular grade is reported. When the thesis is complete, CR or NC is reported.

The mark of **NR, No Report**, is used only in Registrar's grade reports to students and parents, to indicate that the instructor has not reported a grade.

**Change in Grade.**—No passing grade can be raised by a special examination. A grade of I can be changed to a passing grade in a manner to be determined in each case by the instructor concerned, with the approval of the dean of the college. (See I above.)

Any other change in grade, after the grade is on record in the Office of the Registrar, may be made only after reasons for such change have been submitted in writing by the instructor concerned, and approved by the Committee on Entrance and Credits.

### Scholarship Index

A student's academic standing is referred to in terms of a scholarship-index obtained by dividing his total number of grade points by the total number of hours carried.\* All honors and prizes depending upon scholarship are determined by ranking students according to this index.

### Grade Reports

At the end of the fifth week of the semester, grades are reported to the Office of the Registrar for all courses numbered below 101. At the mid-semester (end of ninth week) and at the end of the semester, grades are reported for all courses.

**Grades to Parents.**—Copies of mid-semester and semester grades are mailed to parents of undergraduate students. Grades are not mailed to graduate students, but may be obtained at the Registrar's Office.

### Transcripts of Credits

**Transcripts.**—Each time a student completes work in the University, he is entitled to one complete transcript of record without charge. For each additional copy a charge of one dollar is made, except that when several copies are to be made at the same time, all copies in addition to the first will be charged for at the rate of twenty-five cents each.

If the student requires special statements to be made concerning his record, or if special forms are to be filled out, the transcript fee of \$1.00 will be charged for such service.

**Scholastic Status.**—An undergraduate student has the status: "in good standing," "on probation," "General College," or "under suspension." The student "under suspension" may re-enroll at the expiration of the suspension period. Students under suspension from the General College may re-enter the University only through the General College. The status "General College" means that the student is not eligible for enrollment in a regular college without release from the General College by the dean.

**Honorable Dismissal.**—The status "in good standing," "on probation," or "General College," entitles the student to honorable dismissal, and on transcripts no separate statement of honorable dismissal is necessary. Whether he completes a semester, or withdraws with permission before the end of the semester, a student is entitled to honorable dismissal provided that he has the necessary scholastic status, and is in good standing regarding conduct and financial obligations. Honorable

\* Exclusive of hours in non-theoretical physical education and ensemble music.

dismissal implies that the University will permit the student to re-register in the next session.

#### **Withdrawal from the University**

The student who desires to cancel his registration and withdraw from the University during the semester should follow the procedure outlined in the catalog section entitled "Admission and Registration."

#### **Change in Program of Studies**

The student who desires to add or drop a course should follow the procedure outlined in the catalog section entitled "Admission and Registration."

#### **Scholarship Regulations**

The standing of students with respect to scholarship is checked at the end of each semester. At such times, students who are deficient in scholarship are placed on probation, or suspended, in accordance with the following regulations. A student placed on probation at any time will remain on probation until the next final examination period.

**Probation.**—A student is placed on probation at the end of any semester when the total number of points earned drops below two-thirds (in General Catalog, one-half) of the total number of hours for which he has been registered.\* Hours given a mark of W will be excluded in this computation, but hours of F will be counted.

**Suspension.**—A student is recommended for suspension at the end of any semester when he is placed on probation for the second successive time. A student suspended from a four-year college may enter the General College on probation only in case the total number of his grade points remains above one-half the total number of hours attempted.

A student who is suspended for poor scholarship, or who, after having been placed on probation at the end of the semester, fails to re-register for the following semester; or who withdraws from the University while on probation, shall be considered as on probation upon his return to the University, and the scholarship rules shall apply as though he had not been away.

A dean may require a student who is on probation at the time of registration to enroll for the minimum number of hours, and he may at any time require a student on probation to drop as many hours as seem to be in excess of the student's ability.

**College of Education.**—See section of catalog entitled "College of Education."

**General College.**—See section of catalog entitled "General College."

#### **Examinations**

**Regular Examinations.**—Examinations in each course are held at the close of each semester, and at intervals during the semester at the discretion of the instructor. All students, including graduating seniors, are required to take semester final examinations, which are held according to a notice issued by the Schedule Committee.

\* Exclusive of hours in non-theoretical physical education and ensemble music.

**Special Examinations.**—A special examination is one taken at a time other than regularly with the class. Classified as special examinations are: examinations given to make up missed regular course examinations, examinations for the validation of transferred credit, examinations to remove a grade of I, examinations for the removal of entrance deficiencies.

Entrance examinations for students deficient in entrance units, or for graduates of unaccredited or partially accredited high schools who must validate their unaccredited work, are given at the beginning of each semester to each student who desires to take them. These entrance examinations in the various high school subjects are not to be confused with the entrance tests which are required of all freshmen.

A fee is charged for all special examinations except the entrance examination. For a list of the special examination fees see section of the catalog entitled "Expenses."

Before the student is admitted to a special examination, he must present to the instructor a permit signed by the dean of his college. The Registrar issues permits for entrance examinations. For those examinations where a fee is required, the permit must show the Comptroller's receipt of the fee.

**Examination for Advanced Standing.**—A student in residence in an undergraduate college shall have the privilege of passing a course in the University by special examination without attendance upon the course, and receive undergraduate credit therefrom, such privilege to be subject to the following restrictions:

1. The applicant shall have a scholarship-index of two or more in a normal program of studies completed during the last semester (or last two summer sessions) in residence, and he shall be doing superior work at the time of taking the examination.

2. The examination shall have the approval of the dean of the college, of the head of the department, and of the instructor concerned.

3. The applicant shall obtain from the dean of his college a permit for the examination, and shall pay in advance the required fee of \$2.50 per credit hour.

4. The student shall obtain in the examination a grade not lower than C, and shall show a mastery of the course acceptable to an examining committee of three, appointed by the dean, including the instructor and the head of the department concerned.

**Dishonesty in Examinations.**—A student found guilty of dishonest practices in a quiz, test, examination, or other work, will be subjected to disciplinary measures. Dismissal from the University will result in cases where the offense is flagrant.

### Attendance

Students are expected to attend all meetings of the classes in which they are enrolled. No extensions of the vacation periods are given to any students, regardless of the location of their homes. Non-attendance at classes due to late registration is considered the same as absence incurred after registration.

Instructors will keep a record of class attendance, and will report excessive absences to college deans. A student with excessive absences

may be dropped from a course with the grade of F, by the dean of the college, upon recommendation of the instructor. The dean may recommend dismissal from the University, on the grounds of neglected duty, when a student has thus been dropped from two courses.

Absences due to illness, field trips, athletic trips, etc., are to be reported by the student to the instructor and to the Personnel Office. Such report does not relieve the student of responsibility for lost work. It is the duty of the student to take the initiative in arranging with his instructors to make up work missed.

Students who are absent and unexcused from final examinations or other closing exercises of the classes in which they are enrolled, shall be given the grade of F. A grade of I may be given when there is valid reason for absence from the examination.

### University Assemblies

Regular assemblies are scheduled each month, but special meetings may be called by the President of the University, or by the Student Council with the concurrence of the administration.

**Attendance.**—Attendance is required at regular assemblies, but not at special assemblies, unless it is so announced at the time.

**Absences.**—It is necessary for a student to obtain from the Personnel Office an excuse for any absence within two weeks after the absence is incurred. The penalty for unexcused absences from assembly is the reduction of one semester hour from the total earned for the semester, or of .5 semester hour from the total earned for the summer session.

**Programs.**—Lectures and addresses are delivered on various topics of interest by members of the faculty, and by visitors to the University and to the city; musical and dramatic recitals, and contests in oratory and debating are held. A fair share of the time set apart for assemblies is given to the Associated Students for the transaction of their business.

### Degree Requirements

For information concerning the various degrees offered, and for course and scholastic requirements leading to these degrees, students should refer to those sections of the catalog devoted to the colleges.

Two undergraduate degrees may not be granted a student until he has earned the equivalent of five years' college work and has fulfilled all requirements for both degrees. A transferring graduate should notify the Registrar when applying for admission if he plans to work for a second undergraduate degree.

**Notice of Intention to Complete Degree Requirements.**—At the beginning of the junior year, all candidates for degrees are required to file in the Office of the Registrar applications for degrees. Necessary forms may be secured from the Registrar's office.

**Specific Courses Required.**—Four semester hours of required physical education (or equivalent N.R.O.T.C. credits) shall be completed by all students in the University. Freshmen and sophomore students may substitute for the required physical education a special course in band work, semester for semester. Students over thirty years of age are exempted from the physical education requirement.

An orientation course is required of all students in their freshman year, except those who enter the University with as many as twenty hours of college work.

**Dividends and Penalties.**—For every 15 semester hours of A, or for every 30 semester hours of B, the hours required for graduation are reduced by one. The maximum of such dividends allowed is four. For every 15 semester hours of D, the hours required for graduation are increased by one. No dividends or penalties are given in the College of Engineering. Dividends and penalties are assessed only on work done in residence at the University of New Mexico.

**Senior Residence Requirements.**—Students who have done less than 60 semester hours in residence previous to senior status (see "Classification of Students") shall earn 30 hours in residence in the senior year.

Students who have done 60 semester hours, but less than 90, in residence previous to senior status, shall earn 24 semester hours in residence in the senior year.

Students who have done 90 or more semester hours in residence previous to senior status shall earn 18 hours in residence in the senior year.

In no case is the number of hours specified to be earned in the senior year to be interpreted as necessarily the last hours.

Students may fulfill part or the whole of this residence requirement by summer session attendance.

**Residence Requirements in Major and Minor.**—At least one-fourth of the minimum amount of credit hours required for major or minor studies must be earned in the University.

**Extension and Correspondence Hours Allowed Toward Degree.**—As many as 40 semester hours in University extension and correspondence courses will be allowed toward the bachelor's degree, provided that at least 10 of the 40 have been earned in extension courses taught by regular resident instructors of the University.

Credit will be allowed for extension and correspondence courses completed in institutions which are on the approved list of the National University Extension Association, of which the University is a member. Credit for extension and correspondence courses completed in institutions which are not on the approved list of the N. U. E. A., will not be allowed until the student has successfully passed a validating examination covering each course.

**Commencement.**—Students who complete requirements for degrees at the close of the first or second semesters will receive their diplomas at the end of Semester II. Those who finish after the summer session or field sessions will receive diplomas at the next commencement exercises. Students must participate in the commencement exercises at the time of receiving diplomas, unless excused by the President of the University.

#### **Graduation with Honors**

**The Degree with Distinction.**—All senior students having scholarship-indexes which rank them in the upper 5 per cent of the graduating class of the University will be graduated "With Distinction." Ranking will be based upon all work taken at the University of New Mexico.

Transferred students must present a minimum of 45 credit hours earned at this institution to obtain these honors.

**The Degree with Honors (Honors Work).**—The University faculty has created a Division of Honors Work under which the baccalaureate degree with honors may be earned. For details of the plan see "Division of Honors Work."

#### Division of Honors Work

**Purpose.**—The purpose of the Division of Honors is to afford abler and more ambitious students opportunity to pursue with a certain degree of independence a program of studies which will extend and intensify their knowledge of the field of their major or minor studies, develop their initiative and self-guidance, and their critical and creative ability. This program may lead to the baccalaureate degree with honors.

**Eligibility.**—Students in all undergraduate colleges will be permitted to undertake and to continue Honors work, when, upon the basis of their previous records, entrance tests and university records, they show, in the judgment of the Committee on Honors work, promise of fine scholarly achievement. There must be other promise than that indicated by an average of B or better.

**Types of Honors Projects.**—(A) Projects which will extend Honors students' knowledge of their major or minor field, especially by filling up the interstices between their regular courses. Each semester's work should be terminated with an examination covering such work.

(B) Projects of the nature of intensive study designed to develop critical and creative ability, or in other words, an undergraduate grade of research, extending through one semester or a whole academic year, and terminating in a thesis.

**Procedure.**—(1) Students designated by the Committee as eligible at the beginning of their sophomore year may elect Honors 51.

(2) Sophomores and juniors should preferably undertake honors work projects of type A, and seniors should preferably undertake honors projects of type B. Projects should be organized to earn normally, 1 to 3 credit hours per semester.

**Privileges.**—(1) Honors students will receive special consideration if they find it necessary to make application to University agencies for financial aid.

(2) All students carrying Honors work are eligible for auditing privileges and may obtain Honors Audit Cards from the Dean's office.

(3) Juniors and seniors carrying Honors work are eligible for stack privileges at the Library.

(4) The best senior theses each year will be recommended to the Committee on Publications for publication as a University bulletin or for deposit in the library.

*For further information on regulations and requirements for Degree with Honors, consult the chairman of the Committee on Honors Work.*



## STUDENT EMPLOYMENT, LOAN FUNDS AND SCHOLARSHIPS

**Employment.**—The University Student Employment Office is maintained to aid those students who find it necessary to earn a part of their expenses while attending the University. Any student requiring part-time employment is requested to file an application with the Student Employment Office, on or before August 18. Applications for campus employment must be renewed each year.

Aid from the National Youth Administration has enabled the University to expand substantially its employment program upon the campus. Every effort is being made to hold employment at its present level.

The following principles are the basis of selection of candidates through the Student Employment Office: (1) the establishment of the actual need of the student; (2) scholarship; (3) re-employment to be based on satisfactory service and scholarship.

Students who find it necessary to engage in outside work should not attempt to carry a full program of studies.

We urge that students who plan to earn part of their expenses arrange their program of studies only after conference with their academic deans and the director of student employment, so that a reasonable balance of employment and study can be arranged.

**Loan Funds.**—The University administers, under the direction of the Student Loan Committee, its own Student and Alumni Loan Fund and coöperates in the administration of several others.

The maximum amounts available from this fund respectively for sophomores, juniors, and seniors, are \$50, \$75, and \$100, with the provision that the succeeding amount shall be loaned each year upon repayment by the student of at least half the sum previously borrowed. The fund is not set up to handle loans for amounts smaller than those mentioned in this paragraph.

The general rules applying to these loans are as follows:

1. The student must have been in residence at the University for at least one year.

2. He must be receiving grades of C or better in subjects which he is carrying; preference will be given to worthy students with the higher ratings in scholarship.

3. Students receiving loans will be required to give notes with endorsers as prescribed by the Comptroller's office.

Other loan funds available to students at the University are: The American Association of University Women's Loan Fund; Revolving Loan Fund of the Ancient, Free, and Accepted Masons of New Mexico; Educational Loan Fund of the Grand Commandery of Knights Templar of New Mexico; The McGaffey Memorial Loan Fund of the Albuquerque Rotary Club; The Woman's Club Loan Fund; and The Altrusa Club Loan Fund.

### Awards and Scholarships

Each spring seniors in most of the high schools of New Mexico take the New Mexico Statewide Test of Academic Achievement, spon-

sored by the University of New Mexico. To 50 seniors from the 100 with the best standing on the test, the University guarantees an opportunity to earn as much money as may be necessary to complete their freshman year, provided they enter the University the following fall and can show need of financial assistance.

An act of the New Mexico Legislature makes possible a number of tuition scholarships, equal to two per cent of the University enrollment of the previous year. These scholarships are allotted to New Mexico students who can show promise of good academic achievement, and who can demonstrate the need of financial assistance.

Application for these scholarships and for work assistance should be made through the Student Employment office.

Announcement of recipients of awards and scholarships is made by the President of the University, after recommendations have been made to him by the Committee on Honors and Awards. A description of the awards follows with names of recipients for 1941.

**The C. T. French Medal for Scholarship.**—Awarded to a graduating senior of the College of Arts and Sciences who has obtained during his last two years of continuous residence, the highest general average for scholarship in a program of not less than fourteen hours a semester. Mr. Clifford Firestone. Honorable mention, Miss Julia Fritz.

**The Katherine Mather Simms Memorial Prize in English.**—A cash prize consisting of the interest from a \$250 trust fund is awarded each year to a regularly enrolled upperclassman, who has been in residence at least one year, on the basis of excellence in prose composition and on the quality of a competitive essay to be submitted by March 1st. The decision is made by the faculty of the English Department and the Dean of the College of Arts and Sciences. Mr. Wilson R. Hart.

**The George E. Breece Prize in Engineering.**—A cash prize, consisting of the income from a \$600 prize endowment, which is awarded to a graduating senior in engineering who is enrolled for a full course. This award is made upon the basis of character, general ability, and excellence of scholastic record as shown during the last two consecutive years of residence in the University. Mr. Ray Allen Thompson.

**The Ives Memorial Scholarships.**—Created in memory of Julia Louise Ives and Helen Andre Ives. The income from a \$15,000 fund is used to maintain three \$200 scholarships for women students. Candidates must be residents of New Mexico, preferably living in Albuquerque, in good health, of good moral character, of high scholastic standing, and they must intend to teach. The scholarships are awarded annually by the President of the University. Selection for the next academic year is made in July. Miss Mary Ellen Gabriele, Miss Reba Ethyl Rutz, Miss Pearl Salazar.

**The Marian Coons Kindness Award.**—A memorial prize consisting of the interest from a \$750 endowment fund, is given each year to the regularly enrolled senior in the Department of Home Economics who is voted the most kind by her classmates and teachers in that department. Miss Velna Jackson.

**The Chi Omega Prize in Economics.**—An annual prize of \$15 is awarded to the regularly enrolled woman student (Chi Omega mem-

bers excepted) who has done the best work in Economics during the college year. Selection is made on the basis of scholarship and general knowledge of the subject. Miss Mary Catharine Penix.

**The Alfred Grunsfeld Memorial Scholarships.**—The sum of \$5,000 has been established as a perpetual trust fund, the income from which is used to maintain for men two scholarships at approximately \$200 each. These scholarships are decided upon at the same time as the Miriam N. Grunsfeld Scholarships and are governed by the same general conditions as given below. Mr. Stanley Posner, Mr. Martin Salaz.

**The Miriam N. Grunsfeld Scholarships.**—Two scholarships of approximately \$200 each, maintained by a perpetual trust fund of \$5,000, for women. Miss Marcia Linn, Miss Hazel Vallevik.

The conditions governing the Grunsfeld scholarships are as follows: (1) To be eligible for the scholarships, students must be residents of the state of New Mexico. It is also required that, during the academic year immediately preceding the award, they shall have been in actual attendance at the University as full-time students; that they shall not be above the rank of junior; and that three of the recipients shall have been enrolled in the Department of History or the Department of Government and Citizenship (the fourth may be enrolled in any department of the University). (2) In selecting the students to receive the awards, consideration is given to their general scholarship, and to their financial requirements.

The scholarships are paid in two equal installments, one at the beginning of the first semester, and the other at the beginning of the second semester, contingent upon maintenance of good scholastic record in the normal course of study. If the student fails to register for the second semester, an alternate may be selected.

**The Philo S. Bennett Prize.**—The income from a fund of \$1,200 is awarded annually to a woman student at the beginning of the second semester of her freshman year, who is most worthy, who has resided in New Mexico for at least the preceding four years, and who will continue as a resident student in the University. Miss Virginia Beth Hitchcock.

**The Harry L. Dougherty Memorial Prize in Engineering.**—A cash prize consisting of the income from a trust fund, is awarded each year to the student in the College of Engineering, who has made the highest scholastic average in residence during his freshman and sophomore years, while carrying a normal course of study. Mr. Edward C. Rightley and Mr. Richard H. Clough, tied.

**The Oren W. Strong Award.**—An annual gift of \$50 is awarded to a student in the University, who is a resident of the state, who has maintained a scholastic index above 1.5, and who is under the necessity of earning his living expenses. If two or more men with approximately the same scholastic index are being considered, preference shall be given to the one earning the larger share of his necessary expenses. The name of the student winning this award is announced in April, and the money is paid to him upon his registration the following autumn. Mr. Earl Gerheim.

**The Charles Florus Coan Award.**—The income from a memorial fund is awarded annually, for excellence in scholarship, to a worthy

student whose major field is history. The student is chosen by the faculty of the Department of History. Miss Virginia Horton.

**The Rose Rudin Roosa Memorial Award.**—The income from a \$1,000 cash endowment is awarded each year to the upperclassman or graduate student in the Department of Government and Citizenship who has indicated the most positive interest in the development of good citizenship, in the opinion of his professors. A paper is required. Mr. James Elrod.

**The New Mexico Section of the American Society of Civil Engineers Award.**—A certificate of merit with entrance dues for junior membership in the American Society of Civil Engineers, together with a membership badge, is given to a graduating student in civil engineering who excels in scholarship, holds membership in the student section of the engineering society, is active in student engineering organizations, and who, in the opinion of his professors, shows promise of becoming a successful engineer. Mr. Fremont W. Slattery, Jr.

**The Phi Kappa Phi Prizes.**—Two annual cash prizes of \$10 each are awarded to the man and woman who, while carrying a regular course of study, rank highest in general scholarship for the work of their freshman year. These prizes are announced each fall when the Phi Kappa Phi Freshman Honor Roll, which includes freshmen in the upper 5 per cent of their class in scholarship, is read. Miss Esther Barnhart, Miss Marion Pearsall, Mr. Eugene Thorne, Mr. Stephen Watkins.

**The American Association of University Women Award.**—An annual award of \$50 was created by the Albuquerque branch of the A. A. U. W. to be used as a scholarship to promote advanced college training for women. It is given to a woman student who has earned at least 90 semester hours in this institution and who will enroll for a regular course the following year as a senior or as a graduate student. Selection is made on the basis of scholarship, of financial need, and of general ability as indicated by recommendations from professors to the committee. Miss Ernestine Alsup.

**The Altrusa Club Music Prize.**—An annual prize of \$10 is awarded to the music department major or minor above the rank of freshman, who has done the most outstanding work of the year as determined by ballot of the faculty of that department. Mr. Elvin Walter.

**The Marcella Reidy Mulcahy Memorial Prize.**—An annual cash prize of \$10, established by the Kappa Kappa Gamma Alumni Association, is awarded to the student who, in the opinion of a special committee appointed by the head of the English department, has excelled in the composition of poetry. Mr. Robert Brown.

**The Faculty Women's Club Scholarship.**—A cash scholarship of \$50 is to be awarded to a senior or junior woman on the basis of need and scholarship. Established by the Faculty Women's Club, in 1937. This award is given the second semester of each year and is announced in February. Miss Wilna Gillespie.

**The H. J. Hagerman Memorial Prize in Public Finance.**—An annual \$50 cash prize was established by the New Mexico Taxpayers Association, in 1938, to be awarded to the regularly enrolled undergraduate student who presents the best original paper in the field of

taxation and public finance in New Mexico. The paper should be submitted by December first, to the faculty of the Department of Economics and Business Administration, who will make the selection. Mr. Jay Berry.

**The Phi Sigma Scholarship Medal.**—Awarded each year by the National Society of Phi Sigma to a regularly enrolled student in the University of New Mexico for excellence in Biology and promise of future achievement. This award is announced in May. Miss Lora Mangum.

**The Phi Kappa Phi Senior Award.**—A cash prize of \$20.00 awarded each year by the local chapter of Phi Kappa Phi to the graduating senior of any of the four colleges of the University who makes the highest scholastic record of his class. Mr. Herschel Snodgrass.

**The Alpha Delta Pi Scholarship.**—An annual \$50 scholarship given by the Albuquerque Alumnae Club of Alpha Delta Pi to a sophomore woman majoring in art, on the basis of need and ability. Miss Mary Lou Williams.

**The Phrateres Club Tuition Scholarship.**—An annual \$20 cash award to a sophomore Phrateres member, given by the Phrateres Mothers' Club, on the basis of the highest scholastic average for the first year and one-half of course work, minimum load 15 hours. Miss Esther Barnhart.

**The Rhodes Scholarships.**—The trustees of the will of Cecil Rhodes have modified the manner of selection of the Rhodes scholars to provide for a maximum of thirty-two scholars each year, each scholar to receive an honorarium of \$2,000 per year and to study two or three years in Oxford University, England.

Early in the fall semester, a committee of the faculty of the University nominates candidates to the estate committee for selection. This committee selects two men to represent the state of New Mexico before the district committee, which, in turn, selects no more than four scholars to represent the six states which compose a district.

**Exchange with the National University of Mexico.**—Under an arrangement entered into between the two Universities, students may be exchanged between the University of New Mexico and the National University of Mexico upon mutually agreeable terms.

## STUDENT ORGANIZATIONS AND ACTIVITIES

### Organizations

**Associated Students.**—The students of the University constitute a general student body organization which is called "The Associated Students of the University of New Mexico," and which controls the other organizations of general interest.

**Associated Students Council.**—The Associated Students Council is the administrative agent of the Associated Students of the University. Representatives of the Council are elected from the student body.

**Student Senate.**—The Student Senate is the other governing board of the student body. It is composed of a representative from each organization on the campus.

**Associated Women Students.**—The Associated Women Students is composed of all regularly enrolled women students of the University. The purpose of the organization is to secure uniform and broad social interests among University women. It is governed by a council, the members of which are representatives of all women's organizations on the campus.

### Honor Societies.—

Alpha Kappa Delta—national honorary sociology fraternity

Alpha Phi Omega—(Petitioning chapter) honorary organization for former Boy Scouts of America

Delta Phi Delta—national honorary art fraternity

Kappa Mu Epsilon—national honorary mathematics fraternity

Kappa Omicron Phi—national professional fraternity for students of home economics

Khatali—senior honorary society for men

Mortar Board—national honorary organization for senior women

Mu Alpha Nu—national honorary and professional fraternity dedicated to the sciences of anthropology

Phi Alpha Theta—national honorary fraternity for students of history

Phi Kappa Phi—national honorary scholastic society

Phi Sigma—national organization for the promotion of interest in research in biological sciences

Pi Gamma Mu—national honorary fraternity for students of the social sciences

Pi Lambda Theta—national organization for women in College of Education

Pi Sigma Alpha—national honorary fraternity for students of political science

Sigma Alpha Iota—national professional organization for the recognition of merit of students in the music department

Sigma Tau—national honorary fraternity for students in the College of Engineering

Spurs—national honorary organization for sophomore women

Tau Kappa Alpha—national honorary debating society

Theta Alpha Phi—national honorary dramatic organization for University students and alumni

Theta Chi Delta—national honorary fraternity for chemistry students

For information in regard to other student organizations and activities, see the Freshman Handbook.

National Social Fraternities, Sororities, and other groups.—

Fraternities: Kappa Alpha, Kappa Sigma, Pi Kappa Alpha, Sigma Chi, Sigma Phi Epsilon

Sororities: Alpha Chi Omega, Alpha Delta Pi, Chi Omega, Kappa Kappa Gamma

Other social groups: Independent Men, Phrateres, and Town Club.

Fraternity and sorority relations are controlled by the Interfraternity Council and the Panhellenic Council respectively. These organizations also take prominent places in student activities.

### Religious Activities

All the religious denominations are represented in Albuquerque. All of the churches welcome the University students and invite them to share in their religious and social life. The University holds to a policy of non-sectarianism, but encourages its students to affiliate with the religious organizations with which their families are connected, and to attend church services regularly.

### Military Training

A Naval R.O.T.C. Unit has been established at this University by the Navy Department. It offers the opportunity for men taking a four-year course to qualify for a commission in the U. S. Naval Reserve upon graduation. Full University credit is allowed for the work done in this Unit, so that the course may be taken without prejudice to the regular college work. All eligible male freshmen should enroll for this training.

### Student Athletics

All athletic activities are under the direction of the Athletic Council, and are subject to the approval of the faculty and the President of the University. The University also sponsors an intramural program, designed to supplement the prescribed courses in physical education.

Intercollegiate athletics are governed by regulations of the Border Intercollegiate Athletic Conference, of which the University is a member.

### Student Publications

*The Lobo*, a semi-weekly publication, and *The Mirage*, an annual, are managed entirely by students. The editor and the manager of each publication are elected by the Student Publications Board, and work under the direction of this board. The *Lobo Sun Line* is published periodically by the students enrolled in the Department of Naval Science and Tactics, and is under the direction of the professor of Naval Science and Tactics.

### Alumni Activities

All graduates and former students of the University are eligible for membership in the Alumni Association. *The New Mexico Alumnus*, the official publication of the Association, is published every month except July and August. Any matters pertaining to alumni relationships should be communicated to the Alumni Secretary, c/o the University.



## COLLEGE OF ARTS AND SCIENCES

### Purpose and Function

The College of Arts and Sciences attempts to supply the cultural training which should underlie the more specialized work of the graduate, professional, or vocational school. The materials for this training are provided by the interests and achievements of man as they appear in his cultural records, his social institutions, and his investigation of natural laws.

### Degrees

Upon the recommendation of the faculty and the President of the University, the degree of Bachelor of Arts is conferred by the Regents upon those candidates who have completed all specified requirements. Candidates who complete the requirements with majors in home economics, mathematics or the sciences may, upon request, receive the degree of Bachelor of Science. Similarly, those who complete the requirements with a major in Business Administration may receive the degree of Bachelor of Business Administration. For requirements leading to the degree of Bachelor of Business Administration, see section of catalog entitled "Department of Economics and Business Administration."

### Relation to Professional and Vocational Courses

The Bachelor of Arts and the Bachelor of Science degrees of the College of Arts and Sciences are based upon cultural, rather than professional or vocational courses. The courses preparatory to law, medicine, and the other professions are planned and taught as cultural subjects, and do not infringe upon the work of the professional school. No vocational courses offered in the General College are accepted. Concerning the limited acceptance of work in education, engineering, law, medicine, and fine arts, see Electives and Special Curricula.

### Graduation Requirements

Candidates for the degree of Bachelor of Arts or Bachelor of Science are required to complete a total of 124 semester hours in academic subjects, and 4 semester hours in physical education (or equivalent N.R.O.T.C. credits). In the first two years, or Lower Division, the student is expected to acquire certain basic essentials and to explore several different fields to determine where his interests lie. In the last two years, or Upper Division, the student devotes himself to his major and minor, and to such other subjects as he may wish to take.

### Lower Division Requirements

1. At least 60 semester hours in courses acceptable toward graduation, in addition to 4 semester hours in physical education (or equivalent N.R.O.T.C. credits).
2. A one-point index for the total number of hours which the student has attempted.\*

\* Exclusive of hours in non-theoretical physical education and ensemble music.

3. The completion of the following specific courses: Orientation 1, physical education and group requirements as described below.

4. Successful conclusion of a proficiency examination in English.

5. In all cases except foreign language, students in the Lower Division are restricted to courses numbered below 101, with the provision that a student may be admitted to Upper Division courses at the discretion of the dean of the college: (1) if he has completed within 7 hours of the group requirements, of which not more than one hour shall be in physical education, nor more than 6 hours in foreign language; (2) if he has completed not less than 53 credit hours, exclusive of physical education, earning at least a one-point index for all hours which he has attempted; and (3) if the remaining requirements appear upon his program.

6. Students in the Lower Division may not carry more than 8 hours in one department during one semester. (Exceptions may be made in the case of pre-medical students.)

7. Exceptions to any of these rules may be made only upon recommendation of the Dean.

#### Upper Division Requirements

1. Completion of at least 40 hours in courses numbered above 100 with at least a one-point average in all such hours carried.

2. Completion of at least one major and one minor, or two majors.

3. Grade-points equal to the total number of hours which the student has attempted.\*

4. Not more than 50 hours in courses open to freshmen may be taken without a penalty of 1 hour for every 3 excessive hours.

#### Group Requirements

In keeping with the exploratory aim of the Lower Division, the student distributes part of the work of his first two years among the four following groups of subjects. The acceptability of transferred work toward fulfilling the group requirements lies in the judgment of the Registrar and the Dean of the College.

**I. English.**—Six semester hours must be earned in English 1 ab, and 3 additional credit hours must be earned in a course in literature numbered above 50. Failure to pass the sophomore English proficiency test at first trial will result in an additional requirement of three hours of sophomore composition.

**II. Foreign Language.**—A student who has been admitted with no credit in a foreign language, or who begins a language in which he has done no work in high school is required to complete four semesters or twelve credit hours in one foreign language.

Other students continuing a language begun in high school will be tested and assigned to courses according to ability shown. Such students will then complete the remainder of the twelve hours required.

**III. Social Sciences.**—Nine semester hours (not more than 6 from one department) must be completed in approved† courses in the De-

\* Exclusive of hours in non-theoretical physical education and ensemble music.

† For approved courses, see Departments of Instruction.

partments of Anthropology, Economics and Business Administration, History, Government and Citizenship, Philosophy, Psychology, or Sociology. A student admitted with less than 1 unit in social science is required to complete 12 hours in this group.

**IV. Mathematics and Sciences.**—Eleven semester hours (not more than 8 from one department, and including 2 semesters in courses that require laboratory work) must be completed in approved† courses in the Departments of Biology, Chemistry, Geology, Home Economics, Mathematics, Physics, or Psychology. A student admitted with high school deficiencies in both mathematics and science is required to complete a total of 17 hours in this group.

### Major and Minor Studies

A student admitted to the Upper Division shall declare his major subject, and his program of studies thereafter shall meet with the approval of the head of the major department. A major regularly consists of not less than 24 hours in approved courses. The student must also complete, in another department, a minor of not less than 12 semester hours. The selection of the minor is subject to the approval of the head of the student's major department.

Only work of at least C quality is accepted toward the major and the minor; courses in which grades of D are earned may be accepted as electives toward graduation.

A major or a minor in education or engineering is not accepted toward a degree in the College of Arts and Sciences.

### Electives

A student who has fulfilled all other requirements for graduation may use electives to complete his total of 124 hours for graduation, subject to the following restrictions:

A maximum of 24 hours, in any combination, earned in courses offered in the Colleges of Engineering, Education and Fine Arts is acceptable as electives in the College of Arts and Sciences, with the following exceptions:

- (1) All theory and methods courses in physical education.
- (2) All courses in Education in methods, supervision, and practice teaching.

Such electives may, upon faculty approval, meet the requirements for a minor in the College of Arts and Sciences.

A major in dietetics leading to the degree of B.S. in Home Economics may be given in special cases upon approval of the College.

### Normal Program of Studies

The normal program for a student intending to graduate in four years is 16 hours a semester. Seventeen hours, plus one semester hour of physical education (or military drill in the case of N.R.O.T.C. students), is the maximum, except by petition to the Committee on Scholarship, which may, in its discretion, grant up to 19 hours (including non-credit courses). Ordinarily, a petition for excessive hours

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† For approved courses, see Departments of Instruction.

will not be considered unless the student has in the preceding semester made a grade of B in more than half of his hours, and no grade below C.

**Normal Freshman Program.**—Following is the standard freshman program; necessary deviations from it should be made only after consultation with a faculty adviser.

Semester I		Semester II	
*English 1 a	3	*English 1 b	3
Foreign Language	3	Foreign Language	3
Social Science	3-2	Social Science	3-2
Natural Science or Mathematics	4-3	Natural Science or Mathematics	4-3
Orientation 1		Physical Education	1
Physical Education	1	Additional group requirements	3
Additional group requirements	2	<sup>a</sup> Naval Science	4
<sup>a</sup> Naval Science	4		

<sup>a</sup> Naval Science may be substituted for physical education and one other subject as prescribed by the dean.

### Pre-Professional and Other Special Curricula

Students are cautioned against assuming that four-year college courses always prepare for professional work. At least one year of specialized graduate work is advisable, even if not actually required.

**Combined Curriculum in Engineering and Arts and Sciences.**—Degrees in both the College of Arts and Sciences and the College of Engineering may be obtained by following a five-year curriculum, to be outlined in each case, jointly, by the deans of the two colleges. Any student interested in this curriculum should confer with the deans before the end of the sophomore year. For students interested in careers in countries to the south of the United States, attention is called to a major in Inter-American Affairs along with Engineering.

**Senior Year in Medicine or Law.**—A candidate for the bachelor's degree may offer, in lieu of the last thirty hours at the University of New Mexico, the full first year's work (satisfactorily passed and properly certified) in an approved school of law or medicine requiring three years for entrance, provided: (1) That written notice of this intention be submitted to the dean before the end of the junior year; (2) That the first three years of work (94 semester hours and 4 P. E.) shall have been taken in residence at the University of New Mexico; (3) That, before entrance into the professional school, the candidate shall have completed all specific and group requirements, and major and minor requirements, in accordance with University regulations; (4) That at least 75 per cent of the hours completed before entrance into the professional school shall have been of C grade or better, and that the total of grade-points shall at least equal the total number of hours for which the student has been registered.

**Curriculum Preparatory to Forestry.**—Openings in the field of forestry have been greatly diminished in recent years. Only students with special talents and high scholastic average should undertake such preparation. Information regarding it may be obtained from the Department of Biology.

**Curriculum Preparatory to Journalism.**—The journalist needs great breadth of preparation. In addition to courses giving actual instruction and practice in writing, he should include in his curriculum,

\* If the student fails to pass the placement test, English A is taken the first semester for no credit, and English 1 a is taken in the second semester.

preferably, more than one foreign language and studies dealing with both history and the current aspects of all major social movements. It should be kept in mind, however, that the sciences, all the other professions, and business offer abundant opportunity for writing as an avocation (not a vocation), and it is only the person of rare talent who can make a profession solely of writing. The pre-journalism student should consult members of the Department of English for advice on his courses.

**Curriculum Preparatory to Law.**—The law touches life at so many points that the student preparing for it should seek broad preparation in English composition and speech, history, economics, politics, philosophy, language and literature, logic and mathematics. If he wishes to become versed in the history of law, he must possess a sound knowledge of Latin.

**Curriculum Preparatory to Medical Technology.**—Besides regular requirements and prerequisites, a three-year curriculum has been arranged which includes: Biology 93 L, 132 L, 143 L, 144 L; Chemistry 52 abL, 102 abL, 104, 105 L; Physics 41 abL. Candidates are urged to complete a major in either Biology or Chemistry, and adjustments in courses named above may be made by the Department Head. A year's work in more technical subjects and a year of practical hospital experience are also required for the professional degree.

**Curriculum Preparatory to Medicine.**—The minimum of college hours required for admission to medical schools approved by the Association of American Medical Colleges and by the Council on Education of the American Medical Association, is 60 semester hours in a college of Arts and Sciences. However, most medical schools require at least three years, and many require a college degree preceding entrance into the medical school. Since the admission requirements vary, the pre-medical student should familiarize himself with the requirements of the particular school he wishes to attend.

At the University of New Mexico the curriculum for the first year for these students is as follows:

Physical Education		1-1	Biology 1 L and 2 L	4-4
Orientation—Mathematics	14 a	2-3	English 1 ab	3-3
Chemistry 1 abL		4-4	French or German	3-3

At the beginning of the second year, all pre-medical students should confer with the head of the department in which they propose to major.

During the second year the program should include: Physical Education, Mathematics 14 b, Social Science, Physics 41 ab and 41 abL, sophomore English, Psychology 51 L, and French or German. Six hours of social science during this year may, if necessary, be postponed by those majoring in Chemistry or Biology.

Students interested in dentistry or in veterinary science will follow virtually the same curriculum, with the exception that Foreign Language may be eliminated.

**Curriculum Preparatory to Public Administration.**—In addition to other Lower Division requirements and prerequisites, the following courses are required: Economics 51 ab, 140, 152, 165; Business Administration 53 abL; Government 51 ab, 75, 76, 121, 131, 141, 143, 167, 168;

History 11 ab, 178; Sociology 2, 4. Consult the Department of Government for further details.

**Curriculum Preparatory to Public Financial Administration.**—Besides regular requirements and prerequisites, the following courses are required: Business Administration 53 abL, 102, 103 ab, 107 ab, 109, 110, 112; Economics 51 ab, 111, 152, 165; Government 51 ab, 167, 168, 175, 176; Mathematics 14 ab. Consult the Department of Economics and Business Administration for further details.

**Curriculum Preparatory to Social Work.**—This curriculum calls for a major in Sociology and a minor in Psychology, Economics, or Government, depending upon the student's intention to enter case work, statistical work, or administrative work. Consultation should be held with the Head of the Department of Sociology before the beginning of the third year. During the first two years, besides other Lower Division requirements, the course should cover: Four semesters of Spanish (for those who plan to work in New Mexico) and Sociology 2, 4, 51, 72, as well as prerequisites for courses in the minor. Also, with this preparation the student may enter a professional school of social work, rather than pursue the major and minor at this institution.

## COLLEGE OF ARTS AND SCIENCES

### SCHOOL OF INTER-AMERICAN AFFAIRS

An ever growing number of people are realizing that a better understanding of, and closer and mutually satisfactory relationships with, the other nations of the Hemisphere are among the most vital tasks of today.

Interest in the study of Spanish and Portuguese and of the history, literature, arts, and present social, economic, and political problems of our Latin American neighbors, is increasing continually. High schools and colleges, however, find it difficult to secure sufficiently trained teachers for these lines of work. There is a growing demand, on the part of business firms and official and private agencies engaged in inter-American work, for persons with a sound knowledge of the "other Americas."

The University of New Mexico enjoys an exceptionally favorable position for inter-American studies. Nowhere else does one find the three chief human elements of the Americas—Indian, Hispanic, and Anglo-Saxon—living together in large numbers, and maintaining their traditional cultures. About half of the population of the state speaks Spanish as a native language. Close relations are maintained with Mexico, which is easily accessible.

For these reasons, the University of New Mexico has, for a number of years, given special attention to Latin American and South-western studies. With the establishment of the School of Inter-American Affairs in the fall of 1941, the undergraduate and graduate offerings in this field have been coordinated and developed into several departmental curricula:

(I) B.A. in Inter-American Affairs, with specialization in four directions: Historical and Cultural; Business Administration; Social, Economic and Political Affairs; and Regional (The Hispanic Southwest). (II) B.A. in Education with a major in Social Studies in Secondary Education emphasizing the inter-American field. (III) A two-year Secretarial Course with specialization in Inter-American Relations. (IV) A one-year post-graduate technical course in Inter-American Affairs for majors in science departments and graduates in Agriculture, Engineering and other technical schools. (V) M.A. and Ph.D. in Inter-American Affairs with majors in Anthropology, Economics, Government, History, Sociology, or Spanish.

*For copies of the Bulletin of the School of Inter-American Affairs describing these courses of study, program of training in social work in cooperation with the Barelás Community Center, publications, and other academic and extra-curricular activities of the School, apply to J. Ortega, Director.*

#### Latin American Artist in Residence

The School of Inter-American Affairs has obtained a grant of funds from the Coordinator of Inter-American Affairs, through the Committee for Inter-American Artistic and Intellectual Relations, to invite the well-known Mexican painter, Jesús Guerrero Galván, to be "Latin American Artist in Residence" at the University of New Mexico from June to December 1942. Sr. Guerrero Galván will teach in the College of Fine Arts during the 1942 Summer Session and the first semester of 1942-43. He is also expected to establish contacts with the art groups of the region, and in general, to promote inter-American relations in the field of the pictorial arts.

## COLLEGE OF ENGINEERING

The duties of the engineer are so varied and far-reaching that no single definition adequately portrays his services to the human race. He should, however, be able to apply the laws of nature to the benefit of mankind, to manage and to control technical works and industries, and to apply his scientific training and experience to the political and social problems of his day. Such a variety of work requires men of good character who are well grounded in the fundamentals of the profession of engineering.

It is the purpose of the College of Engineering to train the student in the elements of his branch of engineering, and to develop honesty, loyalty, industry, and thoroughness, so that he may enter the profession of his choice with profit to mankind as well as to himself.

### Admission

A detailed statement of entrance requirements will be found under "Admission and Registration." Students entering with less than three units in Mathematics will be required to take Mathematics A in addition to the required courses listed in the curricula.

### Scholastic Regulations

Students in the College of Engineering will be governed by the scholastic regulations given under "General Academic Regulations."

### Courses of Study

The College of Engineering offers four-year programs of study leading respectively to the degrees of Bachelor of Science in Civil Engineering, Bachelor of Science in Electrical Engineering, Bachelor of Science in Mechanical Engineering, Bachelor of Science in Mechanical Engineering-Aeronautical Option, Bachelor of Science in Mechanical Engineering-Petroleum Option, and Bachelor of Science in Engineering Chemistry. It is also possible to arrange a program of study so that the Bachelor of Arts degree can be obtained in one additional year.

**Aeronautical Engineering.**—The work in aeronautical engineering is offered as an option in the Department of Mechanical Engineering; however, a complete four-year program of study is offered in this field.

**Flight Training Program.**—The Civil Aeronautics Administration is sponsoring a primary and a secondary pilot training program under the College of Engineering.

The primary course consists of seventy-two hours of ground instruction and thirty-five to forty-five hours of flight instruction at one of the Albuquerque airports.

The secondary course consists of one hundred eight hours of ground school work and thirty-five to forty-five hours of flight instruction at the Municipal airport. The primary course must be completed before the secondary course can be taken.

**Architectural Engineering.**—The Department of Architecture is in the College of Fine Arts. It is possible for a student to work out



between the two colleges, two or three years of the course usually required for architectural engineering.

### Laboratories and Equipment

**Drawing and Design Laboratories.**—Three well-equipped rooms in Hadley Hall are provided for all of the drafting room work offered.

**Civil Engineering Laboratories.**—The department provides for laboratories for road material, building material, and hydraulics, and surveying equipment to be used in all types of elementary and advanced field courses.

The materials testing laboratory is equipped for making tests of cement, concrete, stone, brick, tile, timber, steel, soils, and other material used in engineering practice. Tests are conducted by students to illustrate the properties of these materials. The laboratory is also used for research problems and, to a limited extent, for commercial testing. All equipment and all tests conform to accepted standards of engineering practice.

The hydraulics laboratory is equipped to study the flow of water in open channels, through pipes and orifices, and over weirs, illustrating the principles of hydraulics as used in the theoretical courses and in courses in water supply, sewerage, and drainage.

The highway testing laboratory contains a complete set of equipment for making standard tests on road oils and asphalts, and also machines for testing of gravels used in highway construction.

Field work and office computations in surveying are conducted with modern equipment of the highest grade.

The Materials Laboratories of the New Mexico State Highway Department have been built in space adjoining the Civil Engineering laboratories and contain modern equipment adequate for making all types of tests of road building materials. These laboratories are open for inspection by engineering students and for research work by members of the faculty.

**Electrical Engineering Laboratories.**—The laboratories of the department consist of a Power laboratory, Electronics laboratory and a design room. The total floor space is about 6,000 feet.

The Power laboratory is equipped with all the common types of both D.C. and A.C. motors and generators and the necessary manual and automatic starters and controllers for their operation. Special machines such as a rotary converter, adjustable speed A.C. motor, sine-wave and harmonic generators, a Ward-Leonard M-G set, a variable phase, variable frequency alternator, a mercury rectifier and a 2,000 volt D.C. generator are available for tests. Operating and loading devices are available so that all the standard and some of the special tests on both A.C. and D.C. motors and generators can be made.

The transformer section includes a number of standard transformers of various capacities and voltage ratings, and such special types as a constant-current series lighting regulator, a 50,000 volt testing transformer, autotransformers, voltage regulators, etc.

The power for this laboratory is supplied at 2300 volts and then stepped down to 115 and 230 volts. Special transformers supply 440

volt service to the distribution panel. Direct current is supplied by two motor generator sets.

The electronics laboratory occupies 1200 square feet of floor space, and is equipped for the study of vacuum tubes of all types and their applications to communications and industrial control problems. The department owns and operates a short-wave radio station and has recently purchased the facilities formerly used by the U. S. Bureau of Air Commerce for airway communications.

In addition to the equipment mentioned above, the laboratory facilities include a wide variety of instruments, meters, speed measuring devices, instrument transformers, an electromagnetic oscilloscope, two cathode-ray oscilloscopes, oscillators, bridges, and other equipment for use in electric measurements.

**Mechanical Engineering Laboratory.**—In 1937, the laboratory was moved to new quarters adjacent to the new heating plant. Equipment is provided for experimental work in the fields of heat power, of air and gas flow, and of refrigeration.

In the field of heat power, the laboratory has the following major equipment in addition to auxiliary equipment and necessary instruments:

- A steam engine equipped with a Prony brake, two types of valves, and two types of governors.

- A steam turbine equipped with an oil relay governor and a water brake. This unit is also connected to a direct current generator for loading.

- A surface condenser with a steam-air injector.

- A small vertical fire-tube boiler equipped for gas firing.

- A 300-h.p. water-tube boiler fired with gas and equipped with forced-draft fan, induced-draft fan, and automatic combustion control.

- An electric dynamometer with a Ford V-8 engine and a Dodge engine.

- A gasoline engine with a variable compression ratio for fuel research. This unit is also equipped with an electric dynamometer.

**Calorimeters** for determining the heat value of solid, liquid, and gas fuels.

In the field of air and gas flow, the laboratory is equipped with a steam-driven, two-stage air compressor, an air-flow test set, and recording and indicating meters for measuring the flow of air, steam, and natural gas.

In the field of refrigeration, the laboratory is equipped with a complete test plant including an ammonia compressor, receivers, coolers, heat exchangers, etc.

**Aeronautical Engineering Laboratory.**—This laboratory is equipped to provide for experimental work in aerodynamics, airplane structures, and aircraft engines. The equipment approved for this laboratory includes aircraft engines, both air cooled and water cooled, wing sections, fuselage sections, air navigation instruments, radio communication equipment, and a wind tunnel to study fluid phenomena.

**Petroleum Engineering Laboratory.**—The laboratory for this department is housed in the heating plant with the mechanical engineering laboratory. Equipment is available for the study of oil and gas

flow, fuel analysis, and lubrication as well as tests on the various types of heat engines and pumps.

### Requirements for Graduation

Candidates for the degree of Bachelor of Science in any of the departments must complete all of the work outlined in their respective curricula. Electives, where permitted, are to be chosen with the advice and consent of the dean and of the head of the major department. The course of study for the first year is uniform for all departments. At the end of the freshman year, the student should elect the course which he intends to follow and report his choice to the dean's office.

Students who are required to take English A must do so in addition to the regular courses in English. Two-thirds of the semester hours in the required work must be of C grade or better, and the total number of grade points in the hours offered for graduation must equal the total number of hours.

The course in the Department of Naval Science and Tactics may be substituted during each semester of each school year for the course in Physical Education. The course in Naval Science may also be substituted for the subject in each of the curricula marked with an "n," or as prescribed in individual cases by the dean.

### Curricula Offered by the College of Engineering Courses of Study for All Engineering Students

#### First Year

Semester I		Semester II	
Math 18 a Math for Engrs.	4	Math 18 b Math for Engrs	4
Chem 1 a & 1 aL Inorg & Lab	4	Chem 1 b & 1 bL Inorg & Lab	4
Engl 1 a Freshman Comp	3	English 1 b Freshman Comp	3
Engr 1 aL Engr Draw & Desc Geom	3	Engr 1 bL Engr Draw & Desc Geom	3
<sup>n</sup> Engr 2 aL Intro to	2	<sup>n</sup> Engr 2 bL Intro to	2
<sup>n</sup> Physical Educ	1	<sup>n</sup> Physical Educ	1
<sup>n</sup> N.R.O.T.C.	4	<sup>n</sup> N.R.O.T.C.	4

<sup>n</sup> The Naval R.O.T.C. courses may be substituted for Engr. 2 ab and P.E.

Note: Students who do not meet the entrance requirements in mathematics will be required to take Math A in addition to the above.

#### Curriculum Leading to the Degree of Bachelor of Science in Civil Engineering.—

#### Second Year

Semester I		Semester II	
Math 53 a Intro to the Calc	4	Math 53 b Intro to the Calc	4
Physics 41 a & 41 aL Gen & Lab	4	Physics 41 b & 41 bL Gen & Lab	4
Engl 64 a Technical Writing	3	C. E. 56 L Adv Surveying	4
C. E. 55 L Surveying	3	<sup>n</sup> Electives	5
<sup>n</sup> Electives	3	<sup>n</sup> P. E.	1
<sup>n</sup> P. E.	1		

#### Third Year

Engr. 101 Mechanics	4	Engr 102 Str of Materials	4
M. E. 101 Heat Power Engr	3	Engr 104 L Str of Mater Lab	2
C. E. 104 L Curves & Earthwork	4	C. E. 110 Hydraulics	3
C. E. 118 L Highway Engr	3	C. E. 173 L Hydraulics Lab	1
<sup>n</sup> Electives	3	C. E. 115 L Masonry Materials	3
		<sup>n</sup> Electives	4

C. E. 157 F Field School 2

#### Fourth Year

Engr 151 Seminar	1	Engr 152 Contr & Specifications	2
Engr 111 Engr Economy	2	C. E. 160 L Design of Structures	5

n Or Naval R.O.T.C.

C. E. 159 L Rein Concrete Design	5	E. E. 105 L Elems of E. E.	4
C. E. 162 aL Municipal Engr	3	C. E. 162 bL Municipal Engr	3
C. E. 167 L Soils	3	" Electives	3
" Electives	3		

### Curriculum Leading to the Degree of Bachelor of Science in Electrical Engineering.—

#### Second Year

Semester I		Semester II	
Math 53 a Intro to the Calc	4	Math 53 b Intro to the Calc	4
Physics 41 a & 41 aL Gen & Lab	4	Physics 41 b & 41 b L Gen & Lab	4
Econ 105 Prin of Econ	3	E. E. 52 Surv of Electrical Engr	3
Engr 64 a Technical Writing	3	Engr 64 b Technical Writing	3
" Electives	3	" Electives	3
" P. E.	1	" P. E.	1

#### Third Year

M. E. 101 Heat Power Engr	3	M. E. 103 L Heat-Power Lab	2
Physics 111 a Elect & Magn	3	Engr 102 Str of Materials	4
Engr 101 Mechanics	4	E. E. 102 L Th of Alt Curr	4
E. E. 101 L Dir Curr Circ & Mach	4	E. E. 132 L Electronics	4
" Electives	3	" Electives	3

#### Fourth Year

Engr 151 Seminar	1	E. E. 151 bL Alt Curr Mach	4
E. E. 151 aL Alt Curr Mach	4	E. E. 161 bL Design of Elec Mach	2
E. E. 161 aL Design of Elec Mach	2	E. E. 171 Industrial Applications	3
E. E. 196 Power Trans & Dist	3	Engr 152 Contr & Specifications	2

#### Power Option

" Electives	7	E. E. 186 Generating Stations	3
		" Electives	3

#### Communication Option

E. E. 191 L Radio Telephony	4	" Electives	6
" Electives	3		

### Curriculum Leading to the Degree of Bachelor of Science in Mechanical Engineering.—

#### Second Year

Semester I		Semester II	
Math 53 a Intro to the Calc	4	Math 53 b Intro to the Calc	4
Physics 41 a & 41 aL Gen Phys & Lab	4	Physics 41 b & 41 bL Gen Phys & Lab	4
Engr 64 a Technical Writing	3	Engr 64 b Technical Writing	3
M. E. 52 L Shop Methods	3	Engr 53 Engr Materials	3
" Electives	3	" Electives	3
" P. E.	1	" P. E.	1

#### Third Year

Engr 101 Mechanics	4	Engr 102 Str of Materials	4
M. E. 101 Heat Power Engr	3	M. E. 102 Thermodynamics	3
M. E. 103 L Heat Power Lab	2	Engr 104 L Str of Mat Lab	2
E. E. 106 aL Elect Applications	3	E. E. 106 bL Elect Applications	3
M. E. 114 L Mechanisms	3	C. E. 110 Hydraulics	3
" Electives	2-3	" Electives	2-3

#### Fourth Year

Engr 151 Seminar	1	C. E. 173 L Hydraulics Lab	1
M. E. 151 aL Mech Engr Lab	2	M. E. 151 bL Mech Engr Lab	2
M. E. 153 aL Machine Design	3	M. E. 153 bL Machine Design	3
M. E. 155 Power Plants	3	M. E. 156 Industrial Engr	3
M. E. 160 Internal Comb Engines	3	M. E. 162 L Air Conditioning	3
" Electives	5	Engr 152 Contr & Specifications	2
		" Elective	3

" Or Naval R. O. T. C.

**Aeronautical Option****Fourth Year**

Engr 151 Seminar	1	C. E. 173 L Hydraulics Lab	1
M. E. 151 aL Mech Engr Lab	2	M. E. 151 bL Mech Engr Lab	2
M. E. 153 aL Machine Design	3	M. E. 153 bL Machine Design	3
M. E. 167 Aerodynamics	3	M. E. 156 Industrial Engineering	3
M. E. 168 General Aeronautics	2	M. E. 171 L Airplane Structures	5
<sup>a</sup> Electives	3	<sup>a</sup> Electives	3

**Petroleum Production Option****Second Year**

Substitute Geol. 1, 5 L and 2, 6 L for M. E. 52 L and Engr. 53. Take Chem. 51 and 52 abL and an elective before graduation.

**Fourth Year**

M. E. 151 aL Mech Engr Lab	2	C. E. 173 L Hydraulics Lab	1
Engr 151 Seminar	1	M. E. 151 bL Mech Engr Lab	2
M. E. 153 aL Machine Design	3	M. E. 153 bL Machine Design	3
M. E. 181 a Petroleum Prod	3	M. E. 181 b Petroleum Prod	3
M. E. 160 Internal Comb Engines	3	<sup>a</sup> Electives	8
<sup>a</sup> Electives	5		

**Curriculum Leading to the Degree of Bachelor of Science in Engineering Chemistry.—****Second Year**

Semester I		Semester II	
Math 53 a Intro to the Calc	4	Math 53 b Intro to the Calc	4
Physics 41 a & 41 aL Gen Phys & Lab	4	Physics 41 b & 41 bL Gen Phys & Lab	4
Chem 51 2nd yr Coll Chem	3	Chem 52 bL Quant Analysis	2
Chem 52 aL Quant Anal	2	Engr 64 b Technical Writing	3
Engr 64 a Technical Writing	3	<sup>a</sup> Elective	3
<sup>a</sup> Elective	3	<sup>a</sup> P. E.	1
<sup>a</sup> P. E.	1		

**Third Year**

Engr 101 Mechanics	4	Engr 102 Str of Materials	4
M. E. 101 Heat Power Engr	3	M. E. 102 Thermodynamics	3
M. E. 103 L Heat Power Lab	2	Engr 104 L Str of Mater Lab	2
Chem 102 aL Organic Chem	4	Chem 102 bL Organic Chem	4
Chem 112 Industrial Chem	2	Chem 113 Metallurgy	2
<sup>a</sup> Elective	2-3	<sup>a</sup> Electives	2-3

**Fourth Year**

Chem 109 Surv of Phys Chem	3	Chem 110 L Phys Chem Lab	5
Chem 152 L Adv Quant Analysis	5	Chem 140 Chem Seminar	1
M. E. 151 aL Mech Engr Lab	2	M. E. 151 bL Mech Engr Lab	2
E. E. 106 aL Elect Applications	3	E. E. 106 bL Elect Applications	3
<sup>a</sup> Electives	4	M. E. 156 Industrial Engr	3
		<sup>a</sup> Electives	3

<sup>a</sup> Or Naval R. O. T. C.

## **COLLEGE OF EDUCATION**

### **Purpose**

The purpose of the College of Education is to correlate the forces of the University in order to meet the needs of the state in the preparation, training, and certification of teachers, supervisors, and administrators. The college sets for itself these tasks: the thorough training of elementary and high school teachers and of supervisory and administrative officers; the provision of courses in the various fields of education, and of opportunities for research.

The curricula are based upon the assumption that the teacher or supervisory officer should have a broad and liberal education; that he should be master of the subject or group of subjects that he expects to teach; and that his training should be supplemented by professional education designed to give a knowledge of the pupils to be taught, the problems to be met in teaching, and the new meaning of the subjects of instruction. For the prospective teacher this policy has the effect of placing the emphasis upon the subjects he intends to teach. It is advisable for supervisors and school executives, however, to major in educational administration.

### **Standards**

Graduation from the College of Education meets the requirements of the New Mexico State Board of Education for certification of high school and elementary teachers, and the recommendations of the North Central Association of Colleges and Secondary Schools as to professional subjects in education, and the proper subject matter courses for purposes of high school teaching. Because of the tendency in various states to increase the number of credit hours in education for certification, students are advised to secure credit in not less than twenty-four semester hours in education, including general psychology.

### **Principles Governing the College of Education in Its Teacher Education Program**

1. The direction of the programs of all students expecting to receive a Bachelor's degree in Education should be under the supervision of the College of Education.
2. Although it shall be the general policy of the College of Education to accept the recommendation of the department concerned, the College of Education reserves the right of final approval of the specific courses within fields as suitable majors or minors for students enrolled in the College of Education.
3. It is the policy of the College of Education to accept the best professional advice available in determining the specific courses that should be accepted for credit toward a major or minor.
4. All courses in educational methods are to be taught by persons approved by the Dean of the College of Education.
5. Since opportunities for teaching art and music as fine arts in the public schools are limited, we do not favor the giving of majors or minors in these fields. For those students who desire to prepare them-

selves to teach music or art in the elementary, junior high, and senior high schools, majors in Music Education and Art Education are offered.

6. Instructors teaching courses in both methods and subject matter courses are considered members of the faculty of the College of Education as well as of the college in which the subject matter courses are represented.

#### Admission

For the quantitative requirements for admission to the College of Education, see "Admission and Registration."

In the admission of applicants to the College of Education, the following points will be considered: (1) Good moral character, (2) Physical and intellectual fitness, and (3) Personal qualities necessary for success in some field of education.

Graduates of the standard (two-year) curriculum for state teachers' colleges, who had been graduated previously from a four-year high school (covering requirements for entrance to the freshman class in this institution), are accorded 62 semester hours credit, including 16 semester hours in education and psychology. Work done after completion of a two-year course will be considered on its merits.

A student intending to prepare for teaching should register in the College of Education, in order that he may be educationally guided, and be enabled to make the necessary professional adjustments.

#### Maximum Number of Hours

No student in this College may enroll for more than 17 semester hours, plus one hour physical education (or military drill in the case of N.R.O.T.C. students), unless his standing for the previous semester was at least B in two-thirds of his studies, with no grade below C; and then only by presenting a written petition to the Committee on Scholarship, which may, in its discretion, grant permission to enroll for extra work up to a maximum of 19 hours.

#### Extra-Curricular Activities for Teachers

In choosing teachers, principals and superintendents are always anxious to find candidates who are able to handle extra-curricular activities, or who have developed some particular ability which will contribute to the life of the school. From the point of view of getting a position and becoming indispensable after the position has been secured, such specialized abilities as those which enable teachers to direct glee clubs, coach athletic and debating teams, manage student publications, and sponsor school clubs of various kinds, are extremely important. There are many opportunities at the University for securing training and experience in these fields. It is strongly recommended that prospective teachers take advantage of them.

#### Practice Teaching Facilities

The College of Education has made arrangements with the Albuquerque public school authorities whereby student teaching is carried on under the personal direction of selected teachers, who act as critic teachers under the general direction of a professor of education in the College of Education.

The facilities of the city school system furnish an excellent opportunity for students to work in a practical laboratory where the principles and best practice in teaching can be exemplified and applied. The practice teaching is correlated with the subjects taught in the University.

### Laboratories

**Laboratory for the Department of Secondary Education.**—The facilities of the Department of Secondary Education have been materially increased by the equipment of a workroom, or laboratory, in which will center all work connected with the professional training of high school teachers. The major publishing houses are keeping this room supplied with textbooks and other materials of secondary education with which students will wish to become familiar. Here, too, will be found various types of research materials for students in this department.

**Laboratory and Materials for the Department of Elementary Education.**—A large workroom is available for students. It is equipped with apparatus and materials to assist in constructing units of work for practice teaching and classwork.

**Longfellow School.**—Through a coöperative arrangement with the Albuquerque Public Schools, the University is enabled to use the Longfellow School for demonstration and practice teaching. Here in typical situations the beginning teacher is assisted in solving her problems by experienced critic teachers. The work is under the direction of the principal, and director of practice teaching of the College of Education.

### Placement Bureau

A placement bureau, one function of which is to assist students and graduates of the University in obtaining positions in the teaching profession, is maintained by the University. The bureau aims to keep on file a complete record of the scholarship, experience, and personal qualifications of each candidate for a position. Copies of these records will be mailed to school officials at their request. Officials seeking teachers should be explicit in their requests, stating the nature of the work to be done, the length of the school year, the approximate salary offered, the approximate cost of board, and the time when the engagement begins. Whenever a notice of a vacancy is received, the Placement Bureau will recommend the best available person for the position. The University reserves the right to refuse to extend its coöperation to students who apply for positions for which they are manifestly unfit.

The Placement Bureau will be glad to be informed promptly of present or prospective vacancies in positions for which college-trained men or women are eligible.

Blanks for registration may be obtained from the Placement Bureau. Registration should be renewed yearly, preferably during February or March. Communications should be addressed to the Placement Bureau.



### Scholarship Regulations

Scholarship regulations for Freshmen and Sophomores are as follows:

**Probation.**—A student is placed on probation at the end of any semester when the total number of points earned in university work drops below three-fourths of the total number of hours for which the student has registered.\* Hours given the mark of W will be excluded from this computation.

**Suspension (General).**—A student will be recommended for suspension at the end of any semester when he is placed on probation for the second successive time.

**Suspension (Juniors and Seniors).**—It is the opinion of the faculty of the College of Education that candidates for the teaching profession should maintain at least an average scholarship record. Therefore, beginning with the junior year, a student will be recommended for suspension from the College of Education at the end of any semester when the total number of points earned in university work drops below the total number of hours for which the student has been registered.\* Hours given a mark of W will be excluded from this computation.

### Requirements for Graduation

Upon the completion of all specified requirements, candidates for degrees in the College of Education who major in educational administration, home economics, mathematics, or a science, receive the degree of Bachelor of Science in Education; those who major in physical education receive the degree of Bachelor of Science in Physical Education; and those who major in other subjects receive the degree of Bachelor of Arts in Education.

Candidates for degrees in the College of Education are required to comply with the following regulations:

1. Students who plan to be high school teachers should complete a major and a minor in subjects usually taught in high schools.

2. A major is the principal subject which the student desires to teach in high school. It consists of a minimum of twenty-four semester hours above freshman grade in the subject selected. It must be chosen with the advice of the dean.

A minor should be selected in a subject which the student plans to teach, and whenever possible, the student should secure a second minor. The specific requirements for majors and minors are listed under the several departments; the work in these fields must be of at least C quality, and courses in which the grade of D is earned are accepted only as electives.

3. It is often necessary for the teacher of science to teach classes in more than one field. The same is true of teachers of social science. This makes it impossible for students to make adequate preparation for teaching in these fields by completing a major in any one department of the University.

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\*Exclusive of hours in required P. E. and ensemble music.

Therefore, students preparing to teach in one of these fields will be permitted to complete either a general Major in Science or a general Major in Social Science as follows:

A. *Major in Science in Secondary Education*

The major in science shall consist of 48 hours, including freshman courses, in the Departments of Biology, Chemistry, Geology, and Physics. The student shall offer a minimum of 12 hours in each of three of these departments. No minor is required, but one is strongly recommended. Survey courses will not be accepted toward the major. Necessary deviation from the rule requiring 40 hours above 100 will be approved in individual cases.

B. *Major in Social Studies in Secondary Education*

Students preparing to teach the social studies in secondary schools may be permitted to offer a major in general social studies. Such general social studies major shall consist of at least 48 hours, including freshman courses, of which 18 hours must be in the Department of History, 9 hours in the Departments of Government and Citizenship and Economics, 9 hours in the Departments of Sociology, Anthropology, and Geography, 12 hours in electives from social studies departments. No minor is required with the general social studies major, but one is strongly recommended.

C. *Major in Social Studies in Elementary Education*

Students preparing to teach in elementary schools may be permitted to offer a major in general social studies. Such general social studies major shall consist of at least 45 hours, including freshman courses, of which 15 hours shall be in the Departments of History and Government and Citizenship; 15 hours in the Departments of Geography, Anthropology, and Geology, and 15 hours in the Departments of Sociology, Economics, and Psychology, including Psychology 51 L and 54. Not more than 9 hours shall be offered in any one department. No minor is required with the general social studies major.

4. Students who intend to take the four-year curriculum for elementary school teaching are advised to select their majors from the following fields: English, history, biology, anthropology, geology, sociology, and social studies.

5. Students preparing to teach should follow the curricula as outlined. A minimum of 128 semester hours, including physical education (or equivalent N. R. O. T. C. credits), is required for graduation. This amount is based upon an average quality of work done. Ninety hours of the total must be C grade or better, and, in addition, students transferred from other institutions must make a grade of C or better in three-fourths of the hours earned in the University of New Mexico.

6. In addition to the required work in majors and minors, professional courses in education are required as outlined in the various curricula. All candidates for degrees are required to take a course in observation and practice teaching.

7. Students who desire to prepare for administrative or supervisory positions should major in the curriculum for administrators and

supervisors, and should minor in some subject which has bearing upon their chosen field of work.

8. Each candidate for a degree must complete at least 40 semester hours in courses numbered above 100.

9. No student shall be recommended for graduation unless he shows ability to write clear and correct English.

10. For minimum residence requirements, see "Degree Requirements."

### Group Requirements

Students must complete the following requirements in the various groups. As much of this work as possible should be done in the freshman and sophomore years, and professional work and major and minor requirements should be completed in the junior and senior years. For required courses in physical education, see "Graduation Requirements."

**I. English.**—As evidence of proficiency in oral and written English a student must earn 12 semester hours. Six hours must be earned in English 1 ab and 6 additional hours must be earned in courses numbered above 50. (In the elementary curriculum, these additional hours must be in literature.)

**II. Foreign Language.**—A student who has been admitted with no credit in a foreign language, or who begins a language in which he has done no work in high school is required to complete four semesters or twelve credit hours in one foreign language.

Other students continuing a language begun in high school will be tested and assigned to courses according to ability shown. Such students will then complete the remainder of the twelve hours required. Substitutions may be made as follows:

(1) Administrators and supervisors may substitute an equal number of hours of professional subjects.

(2) High school and elementary teachers may substitute an equal number of hours in their major and minor fields in addition to the regular requirements. This additional work must be of C grade or better.

**III. Social Studies.**—Nine semester hours (not more than 6 from one department) must be completed in approved\* courses in the Departments of Anthropology, Economics, History, Government and Citizenship, Philosophy, or Sociology. A student admitted with less than one unit in social science is required to complete 12 hours in this group.

**IV. Mathematics and Sciences.**—Eleven semester hours (not more than 8 from one department, and including 6 hours in courses that require laboratory work) must be completed in approved\* courses in the Departments of Biology, Chemistry, Geology, Home Economics, Mathematics, Physics, or Psychology. A student admitted with high school deficiencies in both mathematics and science is required to complete a total of 17 hours in this group.

### Curricula

The following curricula have been outlined for the purpose of directing students in their chosen fields of work. There are curricula for students preparing to teach in high schools, and for students who

\*For approved courses, see Departments of Instruction.

wish to teach in the elementary schools. Courses are also outlined for students who plan to leave the University at the end of the second year and qualify for the Professional Elementary Certificate.

Special curricula are provided for students preparing to teach art, music, physical education, or home economics in public schools.

The course in the Department of Naval Science and Tactics may be substituted during each semester of each school year for courses in required Physical Education. The course in Naval Science may also be substituted for courses in each of the curricula as prescribed by the dean.

**Curriculum for Students Preparing to Teach in High School.—**  
(Leading to the degree of Bachelor of Arts in Education or Bachelor of Science in Education.)

**First Year**

Semester I		Semester II	
English 1 a	3	English 1 b	3
Mathematics or Science	3-4	Mathematics or Science	3-4
Social Studies	3	Social Studies	3
†Foreign Language	3	†Foreign Language	3
Education 31	2	Physical Education	1
Physical Education	1	Electives	3

**Second Year**

English	3	English	3
Psychology 51 L	3	†Education 54 (Psychology)	3
Social Studies	3	Physical Education	1
†Foreign Languages	3	Electives or Science	6-7
Electives	3	†Foreign Language	3
Physical Education	1		

**Third Year**

*Education 101	3	*Education 102	3
Education 107	2	Education 153	3
Education 141	3	§Teachers' Course	3
†Majors and Minors	8-9	†Majors and Minors	10-11

**Fourth Year**

§Teachers' Course	3	Education 156	5
†Majors and Minors	13	†Majors and Minors	11

**Curricula for Students Preparing to Teach in the Elementary Schools.—**(Leading to the degree of Bachelor of Arts in Education or Bachelor of Science in Education.)

**First Year**

Semester I		Semester II	
English 1 a	3	English 1 b	3
Education 31	2	Education 42	3
†Foreign Language	3	†Foreign Language	3
Mathematics or Science	3-4	Mathematics or Science	3-4
Social Studies	3	Social Studies	3
Physical Education	1	Physical Education	1

†For substitution see Group Requirements for Graduation.

‡If not taken during the sophomore year, an advanced course must be substituted according to the advice of the Dean.

\*One of these courses is required.

||Not required for graduation, but for state certification.

†For required courses see Departments of Instruction.

§One teacher's course, according to the advice of the Dean.

## Second Year

English Literature	3	English Literature	3
Psychology 51 L	3	Education 54 (Psychology)	3
Education 61	3	Education 62	3
†Foreign Language	3	†Foreign Language	3
Mathematics 1	2	Health Education	2
Physical Education	1	Social Studies	3
		Physical Education	1

## Third Year

Education 107	2	Education 174	2
Education 91 or 131	2-3	Majors and Minors	12-14
Majors and Minors	10-12		

## Fourth Year

Education 123	3	Education 136	5
Majors and Minors	12-14	Majors and Minors	8-10

Students who plan to leave the University at the end of their second year to teach in the elementary schools of New Mexico should take the following courses:

## First Year

Semester I		Semester II	
English 1 a	3	English 1 b	3
Education 31	2	Education 42	3
*†Foreign Language	3	*†Foreign Language	3
Mathematics or Science	3-4	Mathematics or Science	3-4
Social Studies	3	Social Studies	3
Physical Education	1	Physical Education	1

## Second Year

English Literature	3	English Literature	3
Psychology 51 L	3	Education 54 (Psychology)	3
Education 91 or 131	2-3	Health Education	2
Education 61	3	Education 62	3
Mathematics 1	2	Education 64	4
Physical Education	1	Physical Education	1

Curricula for Men Students Preparing to be Physical Education Directors in High Schools.—Outlined for men preparing to teach physical education. This curriculum leads to the degree of Bachelor of Science in Physical Education.

## First Year

Semester I		Semester II	
English 1 a	3	English 1 b	3
§Chem 1 aL	4	Biology 2 L	4
Education 31	2	§Chem 1 bL	4
Sociology	3	Sociology	3
Physical Education M	1	Physical Education 22	2
Elective	3	Physical Education M	1

## Second Year

English 55	3	English 58	3
Psychology 51 L	3	†Education 54	3
Physical Education 61 L	2	Physical Education 62 L	2
Health Education 72	2	Physical Education 41 L	2
Physical Education 40 L	2	Physical Education M	1
Physical Education M	1	§Chemistry 55 bL	5
§Chemistry 55 aL	5	Biology 36	3

†For substitution, see Group Requirements for Graduation.

\*†Optional.

§Chemistry 1 abL or 55 abL is required.

‡One of these courses is required.

## Third Year

Physical Education 104 L	4	*Education 102	3
Education 107	2	Biology 93 L	4
Education 141	3	Physical Education 102 L	2
*Education 101	3	Physical Education 162 L	3
Physical Education 101	3	Home Economics 104	2
†Education 183	3	Physical Education 167	3

## Fourth Year

Education 153	3	Education 156	5
Physical Education 161	2	Physical Education 183 b	2
Physical Education 136	2	Physical Education 172	3
Physical Education 135 L	2	Physical Education 186	2
Physical Education 183 a	2	Health Education 185	2
Minor or Electives	3-4	Electives	5

The following minors in physical education have been outlined for men:

**Athletic Coaching.**—Twenty-four semester hours. This minor is offered to qualify men to meet the demands of high schools and colleges for coaches and athletic supervisors who are also prepared to teach some academic subject. Practical work which is required, but given no academic credit, is to be arranged at the discretion of the department according to the student's needs. Physical Education 40 L and 41 L are recommended for all minors although they are not required.

Home Economics 104	2	Physical Education 172	3
Physical Education 22	2	Biology 2 L	4
Physical Education 61	2	Biology 36	3
Physical Education 62	2	Physical Education 104 L	4
Physical Education 136	2		

**Formal Physical Education.**—Twenty-four semester hours. This minor is intended to meet the needs of those students who wish to combine the teaching of physical education with their major subjects. Physical Education 40 L and 41 L are recommended for all minors although they are not required.

Home Economics 104	2	Physical Education 172	3
Physical Education 101	2	Biology 2 L	4
Physical Education 102	2	Biology 36	3
Physical Education 135	2	Physical Education 104 L	4
Physical Education 161	2		

**Curriculum for Women Students Preparing to Teach Physical Education.**—Designed for the training of teachers and supervisors of physical education. The curriculum leads to a degree of Bachelor of Science in Physical Education. Only students in satisfactory physical condition may take the course.

## First Year

Semester I		Semester II	
Physical Education 14	1	Physical Education 15	1
Physical Education 5	1	English 1 b	3
English 1 a	3	†Chem 1 bL	4
†Chem 1 aL	4	Biology 2 L	4
Sociology 2	3	Physical Education 42	1
Education 31	2	Electives	3
Electives	2		

\*One of these courses is required.

†One of these courses is required.

‡Chemistry 1 abL or 55 abL is required.

## Second Year

English 55	3	English	3
Psychology 51 L	3	Biology 36	3
Health Education 72	2	Education 54	3
Physical Education 18	1	Physical Education 65	2
Physical Education 2	1	Sociology 4	3
‡Chemistry 55 aL	5	‡Chemistry 55 bL	5
Physical Education 6	1		

## Third Year

Education 107	2	Biology 93 L	4
Education 141	3	Physical Education 105 b	3
Physical Education 105 a	3	Physical Education 123	2
Education 101	3	Home Economics 104	2
Physical Education 107	2	Physical Education 167	3
Physical Education 104 L	4	Physical Education Elective	1
		Electives	2

## Fourth Year

Physical Education 155	2	Physical Education 156	2
Physical Education 101	3	Physical Education 172	3
Physical Education 161	2	Education 156	5
Physical Education 1	1	Health Education 185	2
Education 153	3	Physical Education Elective	1
Physical Education 135	2	Electives	2
Electives	3		

**Curriculum for Students Preparing to Teach Home Economics.**—(Leading to the degree of Bachelor of Science in Education.) The College of Education curriculum for students preparing to teach Home Economics is approved by the State Department of Vocational Education for the training of teachers of Homemaking who desire to teach in the federally-aided (Smith-Hughes) schools of the state.

## First Year

Semester I		Semester II	
English 1 a	3	English 1 b	3
Biology 2 L	4	Biology 36	3
Art 1 a	3	Art 1 b	3
Education 31	2	Sociology 2	3
Home Economics 1 or 2 L	3	Home Economics 1 or 2 L	3-4
Physical Education		Physical Education	1

## Second Year

English	3	English	3
Chemistry 55 aL	5	Chemistry 55 bL	5
Psychology 51 L	3	Psychology 54	3
Home Economics 53 aL	3	Home Economics 53 bL	3
Home Economics 63 aL	3	Home Economics 63 bL	3
Physical Education	1	Physical Education	1

## Third Year

Home Economics 127	4	Home Economics 132	3
Home Economics 107	3	Education 141	3
Home Economics 138	3	Biology 93 L	4
Electives	7	Electives	6

## Fourth Year

Home Economics 109	3	Home Economics 196	1
Education 107	2	Home Economics 128	3
Education 153	3	Home Economics 133 L	3
Economics 105	3	Education 156 d	3
Electives	6	Education 156	5

**Curricula for Students Preparing to Teach Music Education.**—The following courses will satisfy the requirements for a major study in

‡Chemistry 1 aL or 55 aL is required.

**Music Education.** Candidates must complete a minor study in some other teaching subject, and follow the curricula for Elementary or Secondary Education. Applied music must include voice and piano study, the number of hours in each to be determined upon consultation with the Head of the Department of Music Education. \*Music 163 ab and 165 ab are to be taken concurrently.

If electives are selected in the Music Department, the following courses are recommended: Music 95 ab, 111 ab, or 157 ab.

**Curriculum for students preparing to teach music in the elementary grades:**

Music 5 ab	8	*Music 165 ab	2
Music 55 ab	4	Music Education 131, 155 f	6
*Music 163 ab	4	Applied Music	6
		Ensemble Music	2

**Curriculum for students preparing to teach music in the secondary schools:**

Music 5 ab	8	Music 107 ab	4
Music 55 ab	4	Music Education 131, 155 f	6
Music 157 ab	4	Dramatic Art 90 ab	6
*Music 163 ab	4	Ensemble Music	4
*Music 165 ab	2	Applied Music	8

The following music courses will satisfy the requirements for a minor study in Music Education. Students who minor in Music Education must pass a satisfactory examination in piano and voice, or take one hour each in voice and piano class instruction.

Music 5 ab	8	*Music 165 ab	2
Music 55 ab	4	Music Education 131 or 155 f	3
*Music 163 ab	4	Ensemble Music	2

**Curriculum for Administrators and Supervisors.**—Twenty-four semester hours of work in courses numbered above 50 are necessary for a major. The following courses are acceptable toward meeting the requirements for a major study in administration and supervision. Candidates must also complete a minor in some field other than education.

Educational Psychology	3	City School Administration	3
History of Education	3	Problems of Education in N. M.	2
Mental Measurements	3	Supervision of Elementary Education	3
Educational Tests and Statistics	3	Education and Vocational Guidance	3

**Curriculum for Students Preparing to Teach in the Elementary Schools.**—(Leading to the Degree of Bachelor of Arts in Education).  
**Elementary Art Education.**

### First Year

Semester I		Semester II	
English 1 a	3	English 1 b	3
Education 31	2	Education 42	3
Art 1 a	3	Art 1 b	3
Math. or Science	3-4	Math. or Science	3-4
Social Studies	3	Social Studies	3
Physical Education	1	Physical Education	1

### Second Year

English Literature	3	English Literature	3
Psychology 51 L	3	Education 54 (Psych.)	3
Education 61	3	Education 62	3
Education 91	2	Health Education	2
Math. 1	2	Social Science	3
Physical Education	1	Education 96	3
		Physical Education	1



## Third Year

Education 107	2	Education 174	2
Majors or Minors	14-15	Majors or Minors	12-14

## Fourth Year

Education 123	3	Education 186	5
Education 128	3	Majors or Minors	8-10
Majors or Minors	10		

Curriculum for Art Supervisors, Junior and Senior High School Teachers.—(Leading to the Degree of Bachelor of Arts in Education).  
Arranged for supervisors and teachers of Art Education.

## First Year

Semester I		Semester II	
English 1 a	3	English 1 b	3
Math. or Science	3-4	Math. or Science	3-4
Social Science	3	Social Science	3
Education 31	2	Art 1 b	3
Art 1 a	3	Art 32	2
Physical Education	1	Physical Education	1
or		or	
Dramatic Art 3 a	2	Dramatic Art 3 b	2

## Second Year

English	3	English	3
Psychology 51 L	3	Education 54 (Psych.)	3
Social Studies	3	Art 45 b or 51 b	3
Art 45 a or 51 a	3-4	Education 96	3
Education 91	2	Art 25	2
Physical Education	1	Physical Education	1
		or	
		Dramatic Art 92	2

## Third Year

Education 101	3	Education 153	3
Education 107	2	Art 52 b	3
Education 141	3	Art 63 b	3
Art 52 a	3	Art 75 b or 133 b	3
Art 63 a	3	Electives (Art)	4-6
Art 75 a or 133 a	3		

## Fourth Year

Education 155 a	3	Education 156	5
Education 128	3	Electives	10-12
Electives (Art)	10-11		

## COLLEGE OF FINE ARTS

### Purpose and Function

The College of Fine Arts is established for the following purposes: (1) To stimulate a greater interest in the arts, both fine and applied; (2) to offer those who specialize in any of the fields of art an opportunity to do so; (3) To co-ordinate more efficiently the work in architecture, dramatics, music, and painting and design; and (4) To make a better use of the unique facilities afforded by the state of New Mexico for the study and practice of the arts.

### Departments and Degrees Offered

As constituted, the departments of this college are: Architecture (two years), Art (Painting and Design), Dramatic Art, and Music.

Courses leading to the degree of Bachelor of Fine Arts in Dramatic Art, Music, and Art are offered; in the combined curriculum, successful candidates will receive the degree of Bachelor of Fine Arts.

### Graduation Requirements

Candidates for degrees must complete all requirements outlined in the respective curricula. One hundred hours must be of C grade or better; and, in addition, students transferred from other institutions must make a grade of C or better in three-fourths of the hours earned in the University of New Mexico.

A course in the Department of Naval Science and Tactics may be substituted during each semester of the school year for the course in Physical Education. In addition, the Naval Science course may be substituted in each of the curricula for courses as prescribed by the dean.

### Curricula

**Curriculum in Art—Painting and Design.**—[Leading to the degree of Bachelor of Fine Arts in Art (Painting and Design). Hours required for graduation, 132.]

First Year			
Semester I		Semester II	
English 1 a	3	English 1 b	3
Foreign Language	3	Foreign Language	3
Art 1 a	3	Art 1 b	3
Art 45 a	4	Art 45 b	4
Elective	2	Art 32	2
Dramatic Art 3 a	2	Dramatic Art 3 b	2
(or P. E.)	1	(or P. E.)	1
Second Year			
Elective in Science or Social Science	4	Elective in Science or Social Science	4
Art 51 a	3	Art 51 b	3
Art 52 a	3	Art 52 b	3
Art 63 a	3	Art 63 b	3
Art 81	2	Elective in Literature	3
Physical Education	1	Physical Education	1
Third Year			
Art 85 a	3	Art 85 b	3
Art 131 a	3	Art 131 b	3
Art 151 a	2	Art 151 b	2
Art 163 a	3	Art 163 b	3
Electives	6	Electives	6

## Fourth Year

Art 151 c	2	Art 151 d	2
Art 152 a	3	Art 152 b	3
Art 163 c	3	Art 163 d	3
Electives	8	Electives	8

Students are advised to choose their electives from art or allied fields, such as architectural history, history of music, dramatic literature, or English and foreign literatures. One summer in the Field School of Art at Taos is recommended.

**Curriculum in Dramatic Art.**—(Leading to the degree of Bachelor of Fine Arts in Dramatic Art. Hours required for graduation, 132.)

## First Year

Semester I		Semester II	
English 1 a	3	English 1 b	3
Foreign Language	3	Foreign Language	3
Drama 10 a	2	Drama 10 b	2
Drama 1 a	3	Drama 1 b	3
Drama 30 a	3	Drama 30 b	3
Drama 3 a	2	Drama 3 b	2

## Second Year

English 57 a	3	English 57 b	3
Foreign Language	3	Foreign Language	3
Drama 75 a	3	Drama 75 b	3
Drama 85 a	3	Drama 85 b	3
Drama 90 a	3	Drama 90 b	3
Physical Education (Fencing)	1	Physical Education (Fencing)	1

## Third Year

English 147	2	English 141	3
Drama 135 a	3	Drama 135 b	3
Drama 175 a	3	Drama 175 b	3
Drama 160 a	3	Drama 160 b	3
Electives	6	Electives	5

## Fourth Year

Drama 185 a	3	English 143	3
Drama 199 a	3	Drama 185 b	3
Electives	11	Drama 199 b	3
		Electives	8

The student is advised to choose his electives largely from fields closely allied to dramatic art, such as literature, either English or foreign, especially courses in Greek, Spanish, and French drama, or the European drama after Ibsen; from cultural subjects in the Department of Music; and from courses in design in the Department of Art.

In physical education, the student is advised to take as much dancing and fencing as he can secure.

**Curriculum in Music—Vocal or Instrumental.**—(Leading to the degree of Bachelor of Fine Arts in Music. Hours required for graduation, 132.)

## First Year

Semester I		Semester II	
English 1 a	3	English 1 b	3
Music 1 a (Applied)	4	Music 1 b (Applied)	4
Music 5 a	4	Music 5 b	4
Elective	3	Elective	3
Ensemble Music	1	Ensemble Music	1
Physical Education	1	Physical Education	1

## Second Year

English 53 a	3	English 53 b	3
Modern Language	3	Modern Language	3
Music 51 a (Applied)	4	Music 51 b (Applied)	4
Music 95 a	4	Music 95 b	4
Elective	2	Elective	2
Ensemble Music	1	Ensemble Music	1
Physical Education	1	Physical Education	1

## Third Year

Modern Language	3	Modern Language	3
Music 111 a	3	Music 111 b	3
Music 101 a (Applied)	4	Music 101 b (Applied)	4
Music 107 a	2	Music 107 b	2
Electives (Art)	3	Electives (Art)	3
Ensemble Music	1	Ensemble Music	1

## Fourth Year

Music 151 a (Applied)	4	Music 151 b (Applied)	4
Music 152 a	2	Music 153 b	2
Music 153 a	2	Music 152 b	2
Music 177 a	2	Music 177 b	2
Electives	5-6	Electives	5-6
Ensemble Music	1	Ensemble Music	1

Students are advised to choose their electives from fields allied to music, such as history of art; design; dramatic history; and literature, English or foreign.

## Pre-Architectural Curriculum.—(Total 74 to 75 hours.)

## First Year

Semester I		Semester II	
English 1 a	3	English 1 b	3
Mathematics 18 a	4	Mathematics 18 b	4
Architecture 13 a	3	Architecture 13 b	3
Architecture 27 a	3	Architecture 27 b	3
Architecture 39	2	Art 45 b	3
Art 45 a	3	Electives in Art	4-5
Physical Education	1	Physical Education	1

## Second Year

Mathematics 53 a	4	Mathematics 53 b	4
Physics 41 a and 41 aL	4	Physics 41 b and 41 bL	4
Architecture 53 a	3	Architecture 53 b	3
Architecture 57 a	4	Architecture 57 b	4
Architecture 61	1	Physical Education	1
Art 63 a	3	Elective in Engineering	2
Physical Education	1		

**Combined Curriculum in Fine Arts.**—(Leading to the degree of Bachelor of Fine Arts.) Hours required for graduation, 132, including:

(a) Group requirements as listed under College of Arts and Sciences (p. 49) or under the College of Education (p. 66);

(b) Four semester hours of physical education;

(c) Major study or its equivalent in Art, Dramatic Art, or Music; and

(d) Minor study or its equivalent in Art, Dramatic Art, or Music (other than major field).

(A holder of the B.F.A. degree is eligible for certification as a teacher by the New Mexico State Board of Education if he has completed the requirements as stated in the Rules and Regulations governing such certification.)

## GENERAL COLLEGE

The General College has been planned in terms of two-year programs. It makes provision for rather large numbers of students who, for one reason or another, do not find the four-year course advisable. Some of these groups are:

1. Those who are interested in general, instead of specialized, types of knowledge. Students of this sort prefer an overview of a field with emphasis upon general principles rather than upon techniques and details, and are to be taken care of to a large extent by survey courses. Even specialists in one field of knowledge, however, will find use for comprehensive surveys in others.

2. Those who wish to "explore." Interest in one or more of the fields of knowledge is a prime factor in college success; and this interest, together with greater efficiency in mental habits, can often be fostered through exploration.

3. Those who desire distinctly vocational courses of the semi-professional nature. Many capable young people want courses that lead to definite vocational techniques, even though they are not interested in general academic training.

4. Adults who have no interest in degrees or in technical courses, but who desire information and guidance in general or practical fields.

5. Finally, there are those young people who know from the beginning that either for financial or other reasons they must place a time limit upon their higher education. They may prefer either the general or the vocational type of training, but they are forced to look for that from which they can derive the most nearly finished and comprehensive results in less than four years.

### Admission Requirements

For admission requirements to the General College, see "Admission and Registration." Applicants for admission are held to the regulations as set down in the general admission section, except that the Committee on Entrance and Credits may accept an individual who has been recommended by the General College Committee for special consideration.

A student with more than 60 semester hours, exclusive of physical education, is not permitted to enter the General College.

### Scholarship Regulations

A student with not more than 60 credit hours of academic work, suspended from one of the four-year colleges on the basis of scholarship, is permitted to enter the General College on probation, provided he has earned at least half as many points as the total number of hours he has attempted.

**Probation.**—A student is placed on probation at the end of each semester when the total number of points earned drops below one-half of the total number of hours for which he has been registered. Hours given a mark of W will be excluded in this computation, but hours of F will be counted.

**Suspension.**—A student is recommended for suspension at the end of any semester when he is placed on probation for the second successive time. Students suspended from the General College may re-enter the University only through the General College.

**Transfer.**—A student may be recommended for transfer from the General College to one of the other colleges of the University at the end of any semester or summer session, after having been registered for twelve or more hours (six or more hours in summer session), (1) when the average for the first semester in the University is equal to 1.2, or when, after the first semester, the number of points earned is at least equal to the total number of hours which he has attempted in college, or (2) after receiving the General College Diploma, on the same basis as any other transfer student.

### Completion of Course

Sixty-four hours of passing work, exclusive of non-theoretical courses in physical education, must be completed in order to fulfill the requirements for the General College diploma. Normally, this work will be divided into four semesters as indicated below.

Students registering in the General College may pursue courses in the Department of Naval Science and Tactics only with the permission of the Dean of the General College and the Head of the Department of Naval Science and Tactics. For those students enrolled in the Naval R.O.T.C. Unit, the course in Naval Science may be substituted for the course in Physical Education. The course in Naval Science may also be substituted in each of the curricula for subjects prescribed by the dean.

### Academic Course

The general outline of the two-year curriculum follows:

Semester I		Semester II	
English A or 1 a	3	English 1 a or 1 b	3
Orientation 3 a		Orientation 3 b	3
(Social Science Survey)	3	Orientation 5 b	3
Orientation 5 a		P. E.	1
(Natural Science Survey)	3	Math., Spanish, or Elect.*	3
Orientation 1	2	Electives	2
Reading Laboratory	1-2		
Math., Spanish, or Elect.*	3		15
	15-16		

### Second Year

Semester I		Semester II	
Electives from courses starred (*) in catalog	16	Electives from courses starred (*) in catalog	16

### Art

Semester I		Semester II	
English A or 1 a	3	English 1 a or 1 b	3
Orientation 3 a	3	Orientation 3 b	3
Electives	3	Electives	3
Art 1 a	3	Art 1 b	3
Art 45 a	4	Art 45 b	4

\* Choice of: Art 1 ab, 25, 32, 45 ab; Business 4, 5, 6, 8; Education 31; Engineering 1 abL, 2 abL; Home Economics 1, 2 L; Mathematics C, 14 ab; Applied Music; P. E. 22 L, 61 L, 62 L; Spanish 1 ab, 41 ab, 55 ab.

## Second Year

Orientation 5 a	3	Orientation 5 b	3
Art 51 a	2	Art 51 b	2
Art 52 a	3	Art 52 b	3
Art 63 a	3	Art 63 b	3
Art 71 a or 85 a	3	Art 71 b or 85 b	3
Art 75 a or 133 a	3	Art 75 b or 133 b	3

## General Business

## First Year

Semester I		Semester II	
English A or 1 a	3	English 1 a or 1 b	3
Mathematics C	2	Orientation 3 b	3
Orientation 3 a	3	† Business 1 b	2
† Business 1 a	2	Business 3 bL	3
Business 3 aL	3	Business 5	3
Business 4	3		

## Second Year

Orientation 5 a	3	Orientation 5 b	3
Business 8 a	3	Business 6	2
Economics 43	3	† Business 7	3
Electives	6	Business 8 b	3
		Electives	5

## Home-Making

## First Year

Semester I		Semester II	
English A or 1 a	3	English 1 a or 1 b	3
Orientation 3 a	3	Orientation 3 b	3
Home Economics 1	3	Home Economics 2 L	4
Psychology 31	3	Psychology 32	3
Electives	3	Biology 36	3

## Second Year

Orientation 5 a	3	Orientation 5 b	3
Home Economics 51 L	3	Home Economics 58	3
Home Economics 65 aL	3	Home Economics 65 bL	3
Physical Education 161	2	Sociology 4	3
Electives	5	Electives	4

## Music

## First Year

Semester I		Semester II	
English A or 1 a	3	English 1 a or 1 b	3
Orientation 3 a	3	Orientation 3 b	3
Music 5 a	4	Music 5 b	4
Applied Music	4	Applied Music	4
Ensemble Music	1	Ensemble Music	1
Electives	1	Electives	1

## Second Year

Orientation 5 a	3	Orientation 5 b	3
Applied Music	4	Applied Music	4
Ensemble Music	1	Ensemble Music	1
Electives	8	Electives	8

## Recreational Leadership

## First Year

Semester I		Semester II	
English A or 1 a	3	English 1 a or 1 b	3
Orientation 3 a	3	Orientation 3 b	3
Dramatic Art 3 a	2	Dramatic Art 3 b	2
Sociology 2	3	Sociology 4	3
P. E. Activities	1	P. E. Activities	1
P. E. 61 L	2	P. E. 22 L or 62 L	2
Electives	2	Electives	2

† To be taken at downtown business training school.

## Second Year

Orientation 5 a	3	Orientation 5 b	3
Psychology 31	3	Psychology 32	3
P. E. Activities	1	P. E. Activities	1
P. E. 105 a	3	P. E. 105 b	3
P. E. 161	2	P. E. 162 L	2
Chorus, Band, Orchestra, and Dramatics	2	P. E. 123	2
Electives	2	Chorus, Band, Orchestra, and Dramatics	1

## Sanitation

## First Year

Semester I		Semester II	
English A or 1 a	3	English 1 a or 1 b	3
Biology 1 L	4	Biology 2 L	4
Sociology 2	3	Sociology 4	3
Orientation 3 a	3	Orientation 3 b	3
Electives	3	Biology 36	3

## Second Year

Chemistry 1 aL	4	Chemistry 1 bL	4
Biology 71 L	4	Biology 93 L	4
Spanish 1 a	3	Spanish 1 b	3
Psychology 31	3	Psychology 32	3
Electives	2	Electives	2

## Secretarial

## First Year

Semester I		Semester II	
English A or 1 a	3	English 1 a or 1 b	3
Orientation 3 a	3	Orientation 3 b	3
†Business 1 a	2	†Business 1 b	2
†Business 2 a	2	†Business 2 b	2
Business 3 aL	3	Business 3 bL	3
Business 4	3	Business 5	3

## Second Year

Orientation 5 a	3	Orientation 5 b	3
†Business 1 c	2	†Business 1 d	2
†Business 2 c	2	†Business 2 d	2
Business 8 a	3	Business 6	2
Mathematics C	2	†Business 1 d	2
Electives	4	Business 8 b	3

† To be taken at downtown business training school.



## **OTHER DIVISIONS OF THE UNIVERSITY**

### **Graduate School**

The University offers graduate work leading to the degrees of Master of Arts, Master of Science, and Doctor of Philosophy. The graduate program is offered concurrently with the regular residence sessions. A separate bulletin on the Graduate School may be obtained by addressing the Dean of the Graduate School, or the Registrar.

### **Summer Session**

A summer session of eight weeks is conducted each year on the campus. (For dates of the session, see the Calendar.) Every attempt is made to meet specialized needs of the particular student group of the session. Emphasis is placed on advanced and graduate work. A special program is offered for teachers and school administrators. The summer climate is warm but delightful; nights are cool. The residential halls are regularly operated during the summer session. A separate bulletin on the summer session may be obtained by addressing the Director of the Summer Session, or the Registrar.

### **Field Sessions**

Field sessions are conducted each summer by the Departments of Anthropology, Art, and Engineering. Work in Biology and Geology is sometimes offered in the field. (For dates of these sessions see the Calendar.) Separate bulletins are published on the field sessions, and may be obtained by addressing the head of the department concerned.

### **Extension Division**

The Extension Division of the University is a member of the National University Extension Association and is under the supervision of the College of Education. A special bulletin has been issued, giving regulations and information concerning courses and services offered by correspondence and extension study.

For further information, address the director of the Extension Division.

### **Naval Reserve Officers' Training Corps**

A four-year course in Naval Science and Tactics is offered eligible male students. This course is pursued concurrently with the regular college course and its successful completion, together with the attainment of a degree in the University, leads to a commission as Ensign in the Naval Reserve. This department is administered by officers of the United States Navy. Academic credits of four hours for each semester in this department may be counted toward the degrees of Bachelor of Arts or Bachelor of Science in the colleges. A special bulletin has been issued giving the requirements for enrollment and information relative to the course, and may be obtained by addressing the Professor of Naval Science and Tactics.

## DEPARTMENTS OF INSTRUCTION

On the following pages are listed the departments of instruction, and the courses offered in each of them for the academic year 1942-43. The markings which accompany the courses may be interpreted according to the explanations shown on the balance of this page.

Courses offered in the summer session and in the extension division are described in separate bulletins, which may be obtained by addressing the Director of the Summer Session, or the Director of the Extension Division.

### Classification and Numbering of Courses

Lower division courses are numbered 1-100 with courses numbered 1-50 normally open to freshmen and 51-100 normally open to sophomores; upper division courses are numbered 101-200 for juniors, seniors, and graduates; graduate courses are numbered 201-300. Graduate credit for courses listed is allowed at the discretion of the Graduate Committee. Graduate students should consult major professors and the Dean before registering. Students should select courses only in the divisions in which they are enrolled and for which they have met the prerequisites.

Courses designated by the letters a b or c d, after the number, are offered throughout the year. A course number followed by s indicates that the course is offered in the summer session. A course number followed by L indicates that part of the course is laboratory work. A course number followed by F indicates that the course is given during a field session. Courses indicated by \* are open to General College students. Courses indicated by † are offered for General College credit only.

The University reserves the right to withdraw any course for which the enrollment is not sufficient to warrant the organization of a class.

### Credit Value and Semester Designations

The credit value for each course is indicated for each semester by a numeral in parentheses following the descriptive title. A semester hour corresponds to one hour of the student's time weekly during a semester in addition to the time required in preparation therefor, or two or three hours of time weekly in laboratory.

The symbol I indicates that the course is offered the first semester; II, second semester; I, II, both first and second semesters; SS, summer session only; Yr., throughout the year, and credit for a single semester's work is suspended until the entire course is completed.

In cases where the course number or title has been changed, the previous number or title is shown in brackets.

The credit hours for which a course is offered may not be varied unless special permission of the Committee on Courses of Study is obtained before the student enrolls for the course.

### ORIENTATION COURSES FOR FRESHMEN

All freshmen, with less than 20 hours of college credit, enrolled in the College of Arts and Sciences are required to complete Orientation 1. Engineering freshmen are required to complete Engineering 2 abL (see Departments of Engineering). Education freshmen are required to complete Education 31 (see Departments of Education). Credit will not be allowed for both Education 31 and Orientation 1.

**1. Orientation.** (2) I. Fields of knowledge; vocational information; student problems. TTh, 1. Mr. DuBois and Staff.

†2. **Orientation.** (1-2) I, II. Reading and study laboratory. Exercises designed to correct deficiencies among beginning students. Daily 2.

\*3 ab. **Orientation.** (3-3) Survey of the social sciences. MW, 11 or TTh, 8, and 1 hour arranged. Mr. Sacks.

\*5 ab. **Orientation.** (3-3) Survey of the sciences. Students who take Chemistry 1 ab, 1 abL, and Orientation 5 ab are allowed a maximum of 12 hours. MWF, 8. Mr. Clark.

### SOPHOMORE HONORS

A selected group of sophomores each year is invited to participate in honors work. Those who desire to undertake such work will enroll in Honors 51.

**51. Sophomore Honors.** (1) I, II. Methods necessary for successful honors work. F, 3. Mr. Mitchell.

### DEPARTMENT OF ANTHROPOLOGY

Professors Brand (Head), Spier<sup>1</sup>; Associate Professor Hill; Assistant Professors Hawley, Hibben; Instructor Reiter.

**Group Requirements.**—Courses in this Department count toward Social Sciences (Group III), with the exceptions of 60 L, 66 L, 75 F.

**Major Study.**—For the Cultural Major: Anthropology 1 ab, and 30 more hours within the Department, including 105 ab; 180; 181; 182, 183, or 184; 188 ab; 193; and 7 elected upper division hours.

For the Professional Major (prerequisite to graduate work): Biology 1 L and 2 L; Geology 1 and 2 or Anthropology 53 ab; Anthropology 1 ab and 30 more hours within the Department, including 105 ab; 75 F or 175 F; 180; 181; 182, 183, or 184; 188 ab; 193, and 3 elected upper division hours. Professional major students, at the close of their senior year, must pass a comprehensive subject examination (written and oral) based on courses 1 ab, 105 ab, 180, 181, 188 ab, 193, the elected archaeologic courses, and the required reading for the degree; and must demonstrate, by written examination, proficiency in one foreign language, to be selected from Spanish, French, and German.

Upper division courses from other departments acceptable as electives towards a major in Anthropology: Art 125; Biology 110, 163 L; Economics 105, 160; General Engineering 102; Civil Engineering 157 F, 167 L; English 161; Geology 105, 109 abL, 131; Government 167; History 161 ab, 181 ab, 191 ab; Mathematics 131 ab, 161; Spanish

1. In residence Semester II only.

115, 153, 161, 162; Philosophy 141 ab; Physical Education 104 L; Psychology 101, 193, 198; Sociology 105, 152, 163, 195, 196.

**Minor Study.**—Twelve hours in addition to Anthropology 1 ab.

#### Primarily for Freshmen and Sophomores

**\*1 ab. General Anthropology.** (4-4) Section A, MWF, 8, TTh, 1. Section B, MWF, 8, WF, 1. Mr. Hibben, Mr. Hill.

**\*7. Survey of Southwestern Anthropology.** (3) I. A non-technical course not credited toward the major or minor in Anthropology. MWF, 3. Mr. Reiter.

**\*53 ab. Anthro-geography.** (3-3) The inter-relationships of man and the earth. TThS, 11. Mr. Brand.

**\*55. Human Geography of New Mexico.** (3) I. (Offered in 1942-43 and alternate years). TThS, 10. Mr. Brand.

**59 L. Museums and Their Work.** (2) I. Museum administration, publicity, exhibition, and curatorial work. TTh, 3-5. Mr. Reiter.

**60 L. Museum Methods.** (2) II. MW, 3-5. Mr. Reiter.

**66 L. Archaeologic Field Technique.** (2) II. Methods and materials involved in excavations; field surveying and recording; care of archaeological material in the field. TTh, 3-5. Mr. Reiter.

**70. Survey of Anthropology.** (2) II. The role of Anthropology in modern life. Not credited toward the major or minor. (Not offered in 1942-43.) W, 7-9. Mr. Reiter.

**75 F. General Field Session.** (4) Summer. The beginning summer field course in archaeology, ethnology, and anthro-geography. Prerequisite: consent of director. See Field Sessions Bulletin.

**97. Introduction to Classical Archaeology.** (3) I. MWF, 3. Mr. Hibben.

#### For Juniors, Seniors, and Graduates

General prerequisite: Anthropology 1 ab or equivalent.

**103. Chronology in Archaeology.** (2) I. Evaluation of dating techniques in prehistory. (Offered in 1942-43 and alternate years.) TTh, 2. Miss Hawley.

**104 L. Dendrochronology.** (3) I. The science of tree ring studies applied to archaeological problems. Prerequisite: Anthropology 103. T, 3, Th, 3-5, 2 hrs. arr. Miss Hawley.

**105 ab. The American Indian.** (3-3) The aboriginal peoples and cultures in the Americas. I: TThS, 10; II: TThS, 11. Mr. Hill.

**108 L. Physical Anthropology.** (3) II. Recommended: a reading knowledge of German. (Offered in 1942-43 and alternate years.) TTh, 1-3. Mr. Hibben.

**110. Southwestern Pottery.** (2) I. Historical development of ceramic art. Recommended: Anthropology 103. (Not offered in 1942-43.) TTh, 2. Miss Hawley.

**111. European Prehistory.** (3) I. Early types of Old World Man. (Not offered in 1942-43.) MWF, 2. Mr. Hibben.

**113. Climatology.** (3) II. Recommended: a reading knowledge of German; required: Physics 15 or Anthropology 53 a. (Not offered in 1942-43.) TTh, 3-4:30. Mr. Brand.

**119. Races and Cultures of Europe.** (2) I. Physical environment and historical development; evolution of culture areas. Recommended:

Anthropology 53 ab. (Not offered in 1942-43.) TTh, 1. Mr. Brand.

138. Northwest America and Northeast Asia. (3) II. Peoples and cultures of the two areas; their relations to each other and to Asia and America generally. (Not offered in 1942-43.) MWF, 10. Mr. Hill.

139. Ethnology of Africa. (3) I. (Not offered in 1942-43.) MWF, 9. Mr. Hill.

140. Culture Provinces of Western North America. (3) II. Ethnography and ethnology of the California, Basin, and Plateau areas. (Not offered in 1942-43.) MWF, 11. Mr. Spier.

142. Plains Indian Cultures. (3) II. Ethnography of the North American Plains area, with special attention to culture growth. (Offered in 1942-43 and alternate years.) MWF, 11. Mr. Spier.

143. Primitive Arts and Crafts. (3) I. (Offered in 1942-43 and alternate years.) MWF, 2. Mr. Hill.

144. Material Culture Analysis and Recording. (3) II. Methods of analyzing archaeologic, non-ceramic material traits and the systematic presentation of excavated materials. 1 hour lecture and 4 or more hours laboratory. (Offered in 1942-43 and alternate years.) Lecture M, 1, Lab. arranged. Mr. Reiter.

146. Geography of the Pacific Area. (2) II. (Not offered in 1942-43.) Th, 7-9. Mr. Brand.

148. Oceania. (3) II. Oceanic races and cultures; indigenous origins; Asiatic relations and influences. (Offered in 1942-43 and alternate years.) MWF, 10. Mr. Hill.

162. Archaeology of the Old World. (3) II. (Offered in 1942-43 and alternate years.) MWF, 9. Mr. Hibben.

164. Early Cultures of China and Japan. (2) II. (Not offered in 1942-43.) T, 7-9. Mr. Hibben.

171. Pueblo Ethnology. (2) I. Recommended: Anthropology 180, 181. (Offered in 1942-43 and alternate years.) Th, 7-9. Miss Hawley.

174 L. Advanced Dendrochronology. (2) I. Prerequisite: Anthropology 104 L. Arranged. Miss Hawley.

175 F. Advanced Field Session at Chaco. (4) Summer. Advanced work for upper division and graduate students. See Field Sessions Bulletin.

180. Archaeology of the Southwest. (3) I. MWF, 1. Miss Hawley.

181. Ethnology of the Southwest. (3) I. TThS, 11. Mr. Hill.

182. American Archaeology: North America. (3) II. Recommended: Anthropology 53 ab, 180, 181, and Geology 54. MWF, 2. Mr. Hibben.

183. American Archaeology: South America. (3) I. Recommended: Anthropology 53 ab, and 184. (Not offered in 1942-43.) TThS, 10. Mr. Brand.

184. American Archaeology: Mexico, Central America and the West Indies. (3) II. Recommended: Anthropology 53 ab, 180, and 182. (Offered in 1942-43 and alternate years.) TThS, 10. Mr. Brand.

188 ab. Cultural Geography. (3-3) Natural divisions, and their utilization under different cultural systems. I. Old World; II. Latin America. Recommended: Anthropology 53 ab, and 119. TThS, 9. Mr. Brand.

191 ab. General Linguistics and Theory of Language. (2-2) (Same as Philosophy 191 ab; offered upon sufficient demand.) Th, 3-5. Mr. Alexander.

**193. Senior Seminar.** (2) I. History of Anthropology. Required of all senior majors in Anthropology, W, 7-9. Mr. Hill, Mr. Reiter.

**194. Anthropological Methods.** (2) II. A consultation course: critical analyses of current problems and methods, with constructive syntheses. Prerequisite: instructor's permission. Arranged. Mr. Spier.

**195 F. Middle American Field Sessions.** (4-6) Summer field course in four sections: (a) Central and Southern Mexico; (b) Central America; (c) South America; (d) Northern Mexico. Prerequisites: Anthropology 105 ab, 180 or equivalent, 182, 183, 184, and Anthropology 75 F or 175 F or equivalent. See Field Sessions Bulletin.

**198. Primitive Religion.** (3) II. (Not offered in 1942-43.) MWF, 3. Mr. Hill.

**199 F. Field Research.** (2-6) Summer field course in Chaco Canyon or at other Southwestern sites. Prerequisites: Anthropology 180 or equivalent, and 75 F, 175 F, or 195 F. See Field Sessions Bulletin.

### For Graduates Only

**205. Pro-Seminar.** (2) I. Introduction to research. Required of graduate students. Recommended: reading knowledge of French or German, preferably both. T, 7-9. Mr. Brand.

**206. Seminar: Survey of Current Anthropology.** (2) II. Arranged. Mr. Spier.

**212. [Applied Anthropology] Seminar: Ethnology.** (2) II. W, 7-9. Mr. Hill.

**225. Seminar: Anthro-Geography.** (2) II. Subjects, in successive semesters, will be: Early History of Agriculture, 1942-43; Mapping Culture Element Distributions; Primitive Agriculture; Land Settlement Forms in Latin America. T, 7-9. Mr. Brand.

**251 ab. Problems.** (2-2) Arranged. Staff.

**294. Seminar: Southwestern Archaeology.** (2) I. Arranged. Miss Hawley.

**300. Thesis.** (2-6) I, II. Arranged. Staff.

### DEPARTMENT OF ARCHITECTURE

Instructor Burk (Head); Professor Dunbar.<sup>1</sup>

A pre-architectural course of two years' duration given for the purpose of fitting the student to enter a professional school. (See College of Fine Arts.)

**13 ab. History and Theory of Architecture.** (3-3) This study of ancient architecture in its historical setting, serves to imbue the beginner with many aspects of his profession and provides specific illustration of many guiding principles. MWF, 11. Staff.

**27 ab. Architectural Design.** (3-3) Architectural drafting, analytic problems, and rendering in wash. MWF, 1-4. Mr. Burk.

**28. House Planning.** (3) I, II. A general survey of house building intended for the non-professional student. MW, 2-5 and 3 hrs. arranged. Mr. Burk.

**39. Graphics.** (2) A study of the subject of graphic representation. Descriptive geometry, perspective, shades and shadows, etc. MF, 4-6. Mr. Burk.

1. On leave of absence for duration of war.

**53 ab. History of Architecture.** (3-3) Mediaeval and Renaissance architecture in Europe. Prerequisite: Architecture 13 ab. MWF, 10. Staff.

**57 ab. Architectural Design.** (4-4) Class B problems, architectural drafting, and advanced rendering. Prerequisite: Architecture 27 ab. TTh, 1-5 and 4 hrs. arranged. Mr. Burk.

**61. Architectural Office Practice.** (1) I. The mechanics, theory and ethics of the profession. Arranged. Mr. Burk.

### DEPARTMENT OF ART (PAINTING AND DESIGN)

Associate Professor Douglass (Head); Assistant Professors Del Dosso, Jonson, Sedillo; Instructor Burk; Part-time Instructors Adams, Chapman, Von Auw, Willis; Latin-American Artist in Residence Guerrero Galván; Graduate Fellow Kulp.

**Major Study.**—41 hours including Art 1 ab, 6 hours of drawing or life (in Art 45, 51, or 95), 52 ab, 5 hours of applied art (in Art 32, 64, 71, 72, 75, or 133), 63 ab or 85 ab, and 152 a, with a total of 12 hours in courses numbered over 100. One summer in the Field School of Art in Taos is recommended.

**Minor Study.**—24 hours including Art 1 ab, 6 hours of drawing or life (in Art 45, 51, or 95), 5 hours of applied art (in Art 32, 64, 71, 72, 75, or 133), and 52 ab. One summer in the Field School of Art at Taos is recommended.

**Field Sessions.**—Each summer, field sessions in art are conducted at Taos and Santa Fe. Courses 45 abF, 51 abF, 63 abF, 133 abF, 151 abcdF, 163 abcdefF, and 191 abcdF, are usually offered at Taos, all courses for 1, 2, or 3 hours credit (except 45 abF, 1-4 hours); courses 25 F, 125 F, and 191 abcdF, are usually offered at Santa Fe. For dates of the sessions, see the Calendar. A separate bulletin, giving full information on art field sessions, may be obtained by addressing the Department of Art.

**Materials and Student Work.**—Students enrolling in art courses furnish their own materials, except certain studio equipment provided by the University. All work when completed is under the control of the department until after the public exhibition of student work in May. Each student may be required to leave with the department one or two pieces of original work to be added to the permanent collection.

At least three clock hours of work per week are expected for one semester hour's credit. If full laboratory hours are not assigned below, they will be arranged by the instructor.

### Primarily for Freshmen and Sophomores

**\*1 ab. Creative Design.** (3-3) Experimentation and expression in line, color, and form; developing the imagination and feeling through a comprehension of space division. Section A (primarily for Fine Arts), MWF, 1-3, Mr. Jonson. Section B, TThS, 10-12. Staff. II: 1 a, TThS, 10-12. Staff.

**\*25. Indian Art.** (2) II. Development and symbolism of the decorative art of the Pueblos and other tribes. Students taking this work in Santa Fe may earn 4 hours. (Offered in 1942-43 and alternate years.) W, 7-9. Mr. Chapman.

\*32. **Lettering.** (2) II. To develop facility and grace in the common forms of lettering. TThS, 11. Mr. Douglass.

‡\*45 ab. **Drawing.** (3-4 each semester). The craftsmanship of drawing in various mediums from life, cast, and still life. Includes study of perspective. MTWThF, 3-5. Mr. Adams.

‡\*51 ab. **Life Drawing.** (2-3 each semester.) Study from the human figure. Section A, MTWThF, 3-5. Mr. Adams. Section B, MWF, 10-12. Mr. Jonson.

52 ab. **History of Art.** (3-3) Painting, sculpture, architecture, and the minor arts from prehistoric times through the Renaissance. TThS, 8. Mr. Kulp.

‡\*63 ab. **Painting.** (3-3) Problems in technique with choice of medium. Prerequisites: Art 1 ab, and 45 ab or 51 ab. I: Section A, MWF, 1-4. Mr. Willis. Section B, TThS, 9-12. Señor Galván. II: Section A, TThS, 9-12. Mr. Willis.

64 ab. **Frame Making.** (1-1) I: MWF, 4. Mr. Willis. II: TThS, 8. Mr. Willis.

\*71 ab. **General Commercial Art.** (3-3) Art in advertising. Various techniques and methods of reproduction. Optional work in caricature and cartooning. Prerequisites: Art 1 ab, 32, 45 a or 51 a. (Offered in 1942-43 and alternate years.) TThS, 8-10. Mr. Douglass.

72 ab. **Industrial Design.** (3-3) Work in three-dimensional design. (Not offered in 1942-43.) Mr. Jonson and Mr. Douglass.

73 ab. **Camouflage and Model Making.** (3-3) TTh, 3-6. Mr. Burk.

74 ab. **Photography.** (3-3) Elementary use of cameras and dark-room equipment. Composition. TTh, 7-9. Staff.

‡\*75 ab [Contemporary New Mexico Crafts] **Latin-American Crafts.** (3-3) Use of the native raw materials of New Mexico. Revival of early Spanish designs and methods of Latin-America. Prerequisite: Art 1 ab. MWF, 3-6. Mrs. Sedillo.

81. **Artistic Anatomy.** (2) I. The skeleton and superficial muscles of the human figure as related to life drawing. TThS, 11. Mr. Douglass.

‡\*85 ab. **Sculpture.** (3-3) Technical execution and anatomical study. TTh, 3-6. Mr. Burk.

‡\*95 abcdef. **Sketch Class.** (1-1) Life sketching in choice of medium without criticism. T, 7-9. Mr. Douglass.

#### For Juniors, Seniors and Graduates

125. **Indian Art.** (2) II. Advanced work. Students taking this work in Santa Fe may earn 4 hours. Prerequisite: Art 25. (Offered in 1942-43 and alternate years.) W, 7-9. Mr. Chapman.

131 abcd. **Advanced Creative Design.** (3-3) Development of technique through work and research in various design problems. Prerequisite: Art 1 ab. MWF, 3-5. Mr. Jonson.

133 ab. **Crafts, Processes, and Design.** (3-3) The different crafts; the relationship of construction and design. Prerequisite: Art 1 ab. (Offered in 1942-43 and alternate years.) TTh, 1-4. Staff.

‡151 abcd. **Life Drawing.** (2-2) Prerequisites: Art 45 ab and 51 ab. MWF, 10-12. Mr. Jonson.

152 ab. **History of Art.** (3-3) Survey, study, and discussion of paint-

‡ In these courses, students may register for the odd semester's work (that is, b, d, and f, in the fall, or a, c, and e, in the spring) provided prerequisites have been met.



ing and sculpture from the Renaissance to the present. Prerequisite: Art 52 ab. MWF, 9. Mr. Jonson.

**153. History of Art—Contemporary Mexican Painters.** (1-2) I. Lectures on the main figures of the art movement in Mexico illustrated with colored lantern slides. Arranged. Señor Guerrero Galván.

‡163 abcd. **Painting.** (3-3) Advanced work in composition in selected mediums. Prerequisite: Art 63 ab. Section A, MWF, 1-4. Mr. Adams. I: Section B, TThS, 9-12. Señor Guerrero Galván.

**167. Costume Design.** (3) II. Problems in selecting and designing. Study of historic dress. Prerequisites: Art 1 ab, and 45 ab or 51 ab. MWF, 8-10. Staff.

**168. Home Arts.** (3) I. Principles of home furnishing. Interior sketches in color. Prerequisites: Art 1 ab and 45 ab, or equivalent. MWF, 8-10. Staff.

**171 ab. Advertising Problems.** (2-3 each semester.) Prerequisite: Art 71 ab. (Offered in 1942-43 and alternate years.) TThS, 10, Lab. arranged. Mr. Douglass.

‡175 abcd. **Latin-American Crafts.** (3-3) Advanced work in selected mediums. Mexican lacquer. Prerequisite: Art 75 ab. Arranged. Mrs. Sedillo.

‡185 abcd. **Sculpture.** (3-3) Prerequisite: Art 85 ab. TTh, 3-6. Mr. Burk.

**191 abcd. Special Problems.** (1-3 each semester.) Arranged. Staff.

#### For Graduates Only

**252 ab. History of Art.** (2-2) A survey course covering the factual and appreciation matter in art history, the student making emphasis

**300. Thesis.** I, II. (4-6) Arranged. Staff.

**291. [251] Problems.** (1-3 each semester) I, II. Arranged. Staff.

**295 ab. Seminar.** (2-2) The practical study of aesthetics, art criticism, analysis. Arranged. Staff.

**300. Thesis.** (4-6) I, II. Arranged. Staff.

#### DEPARTMENT OF BIOLOGY

Professor Castetter (Head); Associate Professor Bell; Assistant Professor Koster; Instructor Boke; Teaching Assistant Capraro; Graduate Fellows Camp, Spensley, Worman.

**Group Requirements.**—Courses in this Department count toward Science and Mathematics (Group IV).

**Major Study.**—Biology 1 L, 2 L, 71 L, 72 L, 109, 143 L or 144 L, and 9 additional hours, 5 of which must be in courses numbered above 100. Courses 7 ab, 36, 41 and 48 are not accepted toward a major. One year of chemistry is required of biology majors in the College of Arts and Sciences.

**Minor Study.**—Biology 1 L and 2 L and 12 additional hours to be selected from the following: 36 or 143 L, 41 or 163 L, 48 or 109, 71 L, 72 L, 93 L, 95, 114 L, 171 L, 172 and 185 L.

In the following courses, credit is allowed for one or the other, but not for both: 36 or 143 L-144 L, 41 or 163 L, 48 or 109. Credit will be

‡ In these courses, students may register for the odd semester's work (that is, b, d, and f, in the fall, or a, c, and e, in the spring) provided prerequisites have been met.

allowed for Biology 1 L and 7 b in combination, and for 2 L and 7 a, but not for 1 L and 7 a or for 2 L and 7 b in combination.

**Curriculum Preparatory to Forestry.**—See "College of Arts and Sciences."

**Curriculum Preparatory to Medical Technology.**—See "College of Arts and Sciences."

**Curriculum Preparatory to Medicine, Dentistry, or Veterinary Science.**—See "College of Arts and Sciences."

#### Primarily for Freshmen and Sophomores

**1 L. General Botany.** (4) I, II. Activities and structures of the flowering plant. Type representatives of the four groups of the plant kingdom. Lecture and demonstration. I: Lecture, MWF, 9. Mr. Bell. Lab.: Section A, M, 1-4. Staff. Section B, T, 1-4. Staff. Section C, W, 1-4. Staff. Section D, Th, 1-4. Staff. II. Lecture, MWF, 11. Mr. Bell. Lab.: Section A, M, 1-4. Staff. Section B, T, 1-4. Staff. Section C, W, 1-4. Staff. Section D, Th, 1-4. Staff.

**2 L. General Zoology.** (4) I, II. The fundamental structures, processes, and principles of animal life. Lecture and demonstration. I: Lecture, MWF, 11. Mr. Koster. Lab.: Section A, M, 1-4. Staff. Section B, T, 1-4. Staff. Section C, W, 1-4. Staff. Section D, Th, 1-4. Staff. II: Lecture, MWF, 9. Mr. Koster. Lab.: Section A, M, 1-4. Staff. Section B, T, 1-4. Staff. Section C, W, 1-4. Staff. Section D, Th, 1-4. Staff.

**\*7 ab [5 ab]. Survey of Biology.** (3-3) Fundamental principles common to all living things. MWF, 11. Mr. Capraro.

**\*36. Human Physiology.** (3) II. TThS, 9. Mr. Bell.

**\*41. Survey of New Mexico Plant Life.** (2) I. Lectures and demonstrations. T, 7-9. Mr. Bell. (Not offered in 1942-43.)

**\*48. Heredity.** (2) I, II. A cultural survey of the field of inheritance. I: TTh, 9. Mr. Bell. II: T, 7-9. Mr. Boke.

**71 L. Invertebrate Zoology.** (4) I. A comparative study of the structure, habits and classification of the invertebrates exclusive of insects. Prerequisites: Biology 1 L and 2 L. Lecture, TTh, 8. Mr. Koster. Lab.: Section A, MW, 1-3. Mr. Capraro. Section B, MW, 3-5. Mr. Capraro.

**72 L. Comparative Plant Morphology.** (4) II. A comparative study of the lower plants. Prerequisites: Biol. 1 L and 2 L. TTh, 8. Mr. Bell. Lab.: Section A, MW, 1-3. Mr. Bell. Section B, MW, 3-5. Mr. Capraro.

**93 L. General Bacteriology.** (4) I, II. Bacteria and related forms. Morphology, physiology, classification, cultivation and economic importance. Prerequisites: Biology 1 L and 2 L, Chemistry 1 ab and 1 abL. Lecture, MW, 9. Mr. Boke. Lab.: I: Section A, TTh, 1-3. Mr. Capraro. Section B, TTh, 3-5. Mr. Capraro. II: Section A, TTh, 1-3. Mr. Capraro. Section B, TTh, 3-5. Mr. Capraro.

**95. [105] Ethnobiology of the New World.** (3) I. The aboriginal picture of the utilization of plants and animals in the New World. Emphasis on the Southwest. Prerequisite: 8 hours of Biology. TThS, 11. Mr. Castetter.

#### For Juniors, Seniors, and Graduates

**109. Genetics.** (3) I. The scientific, cultural, and philosophical aspects of inheritance. Prerequisite: 12 hours of Biology. TThS, 9. Mr. Castetter.

110. **Evolution.** (3) II. History of the principle and theories of evolution. Prerequisite: Biology 109. TThS, 9. Mr. Castetter.

112 L. **General Embryology.** (4) I. Prerequisite: 12 hours of Biology. TTh, 11 and 3-5. Mr. Koster.

114 L. **General Entomology.** (4) I. Structures, habits, and classification of the insects. Prerequisite: 12 hours of Biology. MW, 8 and F, 1-5. Mr. Koster.

121 L. **Comparative Vertebrate Anatomy.** (5) II. Prerequisite: 20 hours of Biology. TTh, 11, and 3-5 and 1 two-hour lab. arranged. Mr. Koster and Mr. Capraro.

132 L. **Advanced Bacteriology.** (4) II. Principles of the life activities, growth, and morphology of bacteria; emphasis on pathogenic forms. Prerequisites: Biology 93 L and 143 L or 144 L. Organic chemistry is strongly recommended. (Offered in 1942-43, and alternate years.) MW, 8 and 3-5. Mr. Boke.

143 L. **General Physiology.** (4) I. The physiological processes common to all living organisms. Physiology of the cell, digestion, respiration, catalysis, osmosis and imbibition. Prerequisites: 12 hours of Biology, and Chemistry 1 abL. Organic Chemistry is recommended. TTh, 8 and 1-3. Mr. Boke and assistant.

144 L. **General Physiology** (4) II. Absorption, translocation, circulation, synthesis, excretion, reproduction, hormones and vitamins. Prerequisites: 12 hours of Biology, and Chemistry 1 abL. Organic Chemistry is recommended. TTh, 8 and 1-3. Mr. Boke and assistant.

163 L. **Flora of New Mexico.** (4) I. Prerequisite: 12 hours of Biology. TTh, 10 and MW, 1-3. Mr. Bell.

171 L. **Physiographic Ecology.** (4) I. Relationships of plants and animals to topographic and climatic factors. Applications to soil erosion, reforestation, game management, etc. Prerequisite: 12 hours of Biology. MWF, 11 and one 2 hr. lab. arranged. Mr. Bell.

172. **Plant and Animal Geography.** (3) II. Prerequisite: 12 hours of Biology. MWF, 10. Mr. Bell.

174 L. **Plant Anatomy.** (4) I. The developmental anatomy of vascular plants. Prerequisite: 16 hours of Biology. MW, 10 and 3-5. Mr. Boke.

184 L. **Plant Pathology.** (4) II. Nature, cause, and control of diseases of plants. Relations of plant pathogenic organisms to agriculture and industry. Prerequisite: 16 hours of Biology. (Not offered in 1942-43.) MW, 8 and 3-5. Mr. Boke.

185 L. **General Vertebrate Zoology.** (4) II. Natural history, classification, behavior, ecology, and speciation. Prerequisite: 12 hours of Biology. MW, 11 and F, 1-5. Mr. Koster.

198. **Fundamental Concepts of Biology.** (3) II. Trend of scientific thought and method from earliest times to the present. Origin and history of important biological principles. Prerequisite: major in biology with senior standing and consent of instructor. MWF, 9. Mr. Castetter.

#### For Graduates Only

201. **Seminar.** (2) I. Integration and correlation of the several fields of biology. Contemporary trends and major problems. F, 9-11. Mr. Boke.

251. **Problems.** (2) I, II. Arranged. Staff.

254. **Principles of Economic Vertebrate Zoology.** (2) II. The biotic effect of human settlement upon the vertebrates. Principles underlying management and control. MW, 8. Mr. Koster.

262. **Origin and Development of Cultivated Plants.** (2) II. TTh, 10. Mr. Castetter.

263. **Origin and Development of Domesticated Animals.** (2) I. MW, 9. Mr. Castetter.

300. **Thesis.** (4-6) I, II. Arranged. Staff.

### BUSINESS ADMINISTRATION

See Department of Economics and Business Administration.

### DEPARTMENT OF CHEMISTRY

Professors Clark (Head), Kiech; Instructor Gibson.

**Group Requirements.**—Courses in this Department count toward Science and Mathematics (Group IV).

**Major Study.**—Thirty-four hours. A comprehensive examination is given before graduation. Major students are advised to take two years of French or German, and should consult major professor concerning requirements in Physics and Mathematics.

**Minor Study.**—Twenty-two hours. A comprehensive examination is given before graduation.

**Curriculum Preparatory to Medicine, Dentistry, or Veterinary Science.**—See "College of Arts and Sciences."

**Curriculum Preparatory to Medical Technology.**—See "College of Arts and Sciences."

#### Primarily for Freshmen and Sophomores

1 ab. **Inorganic Chemistry.** (3-3) Credit suspended until 1 abL is completed. MWF, 10. Mr. Clark.

1 abL. **Inorganic Laboratory.** (1-1) Credit suspended until 1 ab is completed. Section A. M, 1-4. Section B. T, 1-4. Section C. W, 1-4 (Semester I only). Section D. Th, 1-4. Section E. F, 1-4. Section F. S, 9-12. Staff.

51. **Second Year College Chemistry.** (3) I. A course in chemical theory required of all who take advanced work in chemistry, and recommended for pre-medical students. MWF, 8. Mr. Gibson.

52 abL. **Quantitative Analysis.** (2-2) T, Th, and F, 1-4. Students elect two afternoons out of three. Mr. Gibson.

55 abL. **Fundamentals of Chemistry.** (5-5) This course is designed to teach the basic fundamentals of Chemistry, inorganic and organic, which are standard requirements for modern work in physical education, home economics, and nursing. MWF, 8; Lab., WF, 9-12. Staff.

#### For Juniors, Seniors, and Graduates

General prerequisite (for all courses numbered above 102 abL): Chemistry 51 and 52 abL.

102 abL. **Organic Chemistry.** (4-4) Yr. Chemistry of the compounds of carbon. Prerequisite: Chemistry 1 ab and 1 abL. Credit suspended for 102 abL until 102 bL is completed. MW, 10 and 1-4. Mr. Kiech.

104. **Biological Chemistry.** (3) II. Chemistry of living matter. Prerequisite: Chemistry 102 abL. (Not offered in 1942-43.) MWF, 8. Mr. Kiech.

**105 L. Quantitative Biochemical Methods.** (3) II. Colorimetry and micro-methods of analysis. Prerequisite: Chemistry 102 aL. (Offered in 1942-43 and alternate years.) F, 9-12, 1-4. Mr. Kiech.

**107 L. Advanced Qualitative Analysis.** (2) II. (Not offered in 1942-43.) WF, 1-4. Mr. Clark.

**109. Survey of Physical Chemistry.** (3) II. A treatment of the fields of physical chemistry which does not involve the use of calculus, intended to give a broad overview of physical chemistry *per se*, and its applications in other fields of science. (Offered in 1942-43 and alternate years.) MWF, 9. Mr. Gibson.

**110 L. Physical Chemistry.** (5) II. Advanced study of chemical theory. Prerequisites: Chemistry 102 abL, Math. 53 ab and Physics 41 ab and 41 abL. (Offered in 1943-44 and alternate years.) MWFS, 9; F, 1-4. Mr. Gibson.

**112. Industrial Chemistry.** (2) I. (Offered in 1942-43 and alternate years.) TTh, 10. Mr. Clark.

**113. Metallurgy.** (2) II. Lectures covering processes of extraction of metals. Prerequisite: Chemistry 112. (Offered in 1942-43 and alternate years.) TTh, 10. Mr. Clark.

**140. Chemistry Seminar.** (1-3) II. F, 4:30-5:30. Staff.

**152 L. Advanced Quantitative Analysis.** (Credit optional up to 10 hours.) I. II. Use of instruments of analytical chemistry. One 2-hour laboratory period per credit hour. Arranged. Mr. Clark.

**155 L. Introduction to Toxicology.** (2) I, II. Poisons and their detection. Two 2-hour laboratory periods per week. Arranged. Mr. Clark.

**199 ab. Undergraduate Problems.** (2-5 each semester.) Arranged. Staff.

#### For Graduates Only

**251 ab. Problems.** (2-5 each semester.) Arranged. Staff.

**300. Thesis.** (4-6) I, II. Arranged. Staff.

#### DEPARTMENT OF DRAMATIC ART

Assistant Professor Snapp (Head); Instructor Sarvis; Part-time Instructors Hickox, Sedillo.

**Major Study** in College of Education.—1 ab, 10 ab, 30 ab, 75 ab, 90 ab, 160 a, and 6 hours to be selected from English 141, 143, 147, 148, 149. Total 35 hours. Major study in College of Arts and Sciences can be arranged only by special permission of the Dean of the College and the Head of the Department of Dramatic Art.

**Minor Study** in College of Arts and Sciences or College of Education.—1 ab, 10 ab, 30 ab, 90 ab, English 147 or 149. Total 25 hours.

#### Primarily for Freshmen and Sophomores

**\*1 ab. Reading and Speaking.** (3-3) First principles of speech training and fundamentals of interpreting prose and poetry. MWF, 10. Mr. Snapp.

**\*3 ab. Art of the Dance.** (2-2) Rhythmics, theory, and practice. TThS, 9, and 1 hour arranged. Mrs. Sedillo.

**\*10 ab. Theatre History.** (2-2) The Greek period to the present time. Theory of drama and fundamentals of theatre criticism. TTh, 10. Mr. Snapp and staff.

**30 ab. Stage Work.** (3-3) Methods, materials, and techniques of stage carpentry. Students construct scenery for season's productions. MWF, 3-5. Mr. Sarvis.

**43 ab. Introduction to Radio.** (2-2) Programming, radio acting, play adaptation, rudiments of announcing. TTh, 7. Fee \$4.00. Mrs. Hickox.

**60. Play Production.** (2) (Same as English 60.)

**75 ab. Technical Production.** (3-3) Analysis and planning of scene construction, mounting, rigging, and properties. Supervision of crews on season's productions. TTh, 3-5, S, 8-10. Staff.

**83 ab. Radio Writing.** (2-2) Commercial continuity, radio advertising, playwriting. TTh, 8 p. m. Fee \$4.00. Mrs. Hickox.

**85 ab. Acting Technique.** (3-3) Stage diction. Methods of interpretation for both modern and historical productions. Prerequisite: Dramatic Art 1 ab. TThS, 11. Mr. Snapp.

**90 ab. Rehearsal and Performance.** (3-3) Elementary techniques of both actor and director. Analysis of plays for methods of interpreting in production. TTh, 1-3, 2 hours arranged. Mr. Snapp.

**92 ab. Mexican and New Mexican Folk Dance.** (2-2) TTh, 4-5:30. Mrs. Sedillo.

#### For Juniors and Seniors

**135 ab. Stage Lighting.** (3-3) Theory and practice of present-day methods of lighting the stage. MWF, 1-3. Mr. Snapp.

**150. Play Production and Pageantry.** (2) I. Writing, criticism, and production of original plays in Spanish or English based on New Mexican material. Arranged. Mrs. Sedillo.

**160 ab. Advanced Rehearsal and Performance.** (3-3) Detailed study of directing techniques. Analysis of scripts. Rehearsal by students, under supervision, of one-act plays for class presentation. Prerequisite: Dramatic Art 90 ab. TTh, 3, 2 hours arranged. Mr. Snapp.

**175 ab. Scene Design.** (3-3) Materials and methods of scene design. Techniques of scene painting and survey of historical periods. Student designs compete for season's productions. MWF, 1-3. Mr. Sarvis.

**185 ab. Costume Design.** (3-3) Historic, modern, and stylized costume and how to design it for the stage. Students execute costumes for season's productions. MWF, 1-3. Staff.

**199 ab. Problems.** (3-3) Advanced work in any of the following fields: directing, technical production, lighting, or scene design. Prerequisites: the student must have completed all the preliminary courses offered in his chosen field. Arranged. Staff.

#### DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION

Professor Sorrell (Head); Assistant Professor Fewell; Instructor Kiel,<sup>1</sup> Evans; Part-time Instructor Dixon; Assistant Professor Behrendt, Part-time (School of Inter-American Affairs).

**Group Requirements.**—Courses in this Department count toward Social Science (Group III), with the exception of Business Administration 53 abL and 65.

Students may elect courses offered by this Department leading (1) toward the Bachelor of Arts degree with a major in Economics,

<sup>1</sup> On leave of absence, 1941-42.

(2) toward the Bachelor of Arts degree with a major in Business Administration, or (3) courses leading to the professional degree, Bachelor of Business Administration.

### Economics

**Major Study in Economics (leading to Bachelor of Arts degree).—**30 hours including 51 ab, or with certain exceptions 105, of which 18 must be in Economics including 154 and 160. The remainder may be in Business Administration.

**Minor Study in Economics.—**18 hours, including 51 ab, or with certain exceptions 105, of which 12 must be in Economics. The remainder may be in Business Administration.

### Primarily for Freshmen and Sophomores

**\*30. Economic Development of the United States.** (3) I. Not counted toward major or minor. MWF, 8. Mr. Evans.

**\*43. Economic Resources.** (3) II. Not counted toward major or minor. MWF, 8. Mr. Sorrell.

**51 ab. Introduction to Economics.** (3-3) Yr. A prerequisite to all advanced courses in the department unless otherwise indicated. Prerequisite: sophomore standing. Credit for 51 a suspended until 51 b is completed. Courses 51 a and 51 b will be offered both semesters. Section A, MWF, 10. Mr. Evans. Section B, TThS, 10. Mr. Evans. II: 51 a, TThS, 9. Mrs. Dixon.

### For Juniors, Seniors, and Graduates

General prerequisite: Economics 51 ab or 105, unless otherwise stated.

**105. Principles of Economics.** (3) I. Primarily for students who are not majors in the department. Prerequisite: upper division standing, except for sophomore engineers. MWF, 10. Mr. Sorrell.

**111. Money and Banking.** (3) I. MWF, 11. Mr. Sorrell.

**119. Current Problems of Foreign Trade.** (3) II. (Same as Government 119.) Mr. Kleven.

**121 ab. Economics and Trade of Latin America.** (3-3) I: Survey of economic life. II: Trade relations, investments, economic planning. MWF, 3. Mr. Behrendt.

**140. Economic Security.** (3) II. Poverty and insecurity, and methods of dealing with these problems. TThS, 8. Mr. Hutchinson.

**141. Labor Problems.** (3) I. (Offered in 1942-43 and alternate years.) MWF, 2. Mr. Evans.

**143. Transportation.** (3) I. Inland transportation with special attention to railroads. TThS, 11. Mr. Sorrell.

**152. Public Finance.** (3) II. MWF, 1. Mr. Sorrell.

**154. Modern Economic Reform.** (3) II. (Not offered in 1942-43.) TThS, 9. Mr. Sorrell.

**160. Economic Theory.** (3) II. TThS, 9. Mr. Sorrell.

**165. Public Utilities.** (3) II. MWF, 8. Staff.

**178. Recent History of the United States.** (3) II. (Same as History 178.) Accepted toward the major only.

**198 ab. Seminar.** (2-3 each semester) Arranged. Staff.

**For Graduates Only**

251 ab. Problems. (2-4 each semester) Arranged. Staff.

300. Thesis. (4-6) I, II. Arranged. Staff.

**Business Administration**

**The Degree of Bachelor of Business Administration.**—The degree of Bachelor of Business Administration (B.B.A.) is awarded upon the completion of (1) regular minimum requirements for the bachelor's degree in the College of Arts and Sciences, (2) 48 hours in Economics and Business Administration courses numbered above 50, including 51 ab, 53 abL, 65, 107 ab, 108, 109, 110, 111, (3) at least 40 per cent of the hours presented for graduation must be in fields other than Economics and Business Administration. A minor is not required.

**Major Study in Business Administration (leading to the Bachelor of Arts degree).**—Economics 51 ab, Business Administration 53 abL, 107 ab, and 109, and 9 additional hours in Business Administration, and 6 additional hours in Economics, chosen from the following: Economics 111, 119, 143, 152, 165.

**Minor Study in Business Administration.**—Economics 51 ab, Business Administration 53 abL and 6 additional hours in Business Administration.

**Curriculum in Public Financial Administration.**—See "College of Arts and Sciences."

**Primarily for Sophomores**

53 abL. Principles of Accounting. (4-4) Yr. Three hours of lecture and three hours of laboratory each week. Credit for 53 abL suspended until 53 bL is completed. Section A, MWF, 8-10. Mr. Fewell. Section B, TThS, 9-11. Mr. Fewell. Courses 53 abL and 53 bL will be offered both semesters.

65. Business-Letter Writing. (3) I. MWF, 1. Mrs. Dixon.

**For Juniors, Seniors, and Graduates**

General Prerequisite: Economics 51 ab or 105, unless otherwise stated.

101. Analysis of Financial Statements. (3) Mr. Fewell.

102. Governmental Accounting. (3) II. Prerequisite: B. A. 53 abL. MWF, 10. Mr. Fewell.

103 ab. Intermediate Accounting. (3-3) Prerequisite: B. A. 53 abL. TThS, 8. Mr. Fewell.

104. Cost Accounting. (3) I. Prerequisite: B. A. 53 abL. TThS, 10. Mr. Fewell.

107 ab. Business Law. (3-3) Yr. Prerequisite: upper division standing. Credit for 107 a suspended until 107 b is completed. MWF, 9. Mr. Sorrell.

108. Marketing. (3) II. MWF, 2. Mr. Sorrell.

109. Business Statistics. (3) I. Prerequisite: permission of instructor. Math 42 is recommended. MWF, 10. Mr. Fewell.

110. Corporation Finance. (3) I. TThS, 10. Staff.

112. Auditing. (3) II. Prerequisites: B. A. 53 abL, and 103 a. (Offered in 1942-43 and alternate years.) TTh, 10, W, 3-5. Mr. Fewell.



**113. Credit and Collections.** (2) I. Principles and practices of credit management. Taught primarily from the point of view of the credit man. TTh, 11. Staff.

**115. Investments.** (3) II. An analysis of corporation, municipal, and other securities. MWF, 1. Mr. Evans.

**117. Mathematics of Finance.** (3) I. (Same as Mathematics 117.) Accepted toward the major only.

**123. Insurance Principles and Practices.** (3) II. Arranged. Staff.

#### For Graduates Only

**251 ab. Problems.** (2-4 each semester) Arranged. Staff.

**300. Thesis.** (4-6) I, II. Arranged. Staff.

#### Courses in Business for General College Only

†1 **ab. Typing.** (2-2) Two 2-hour sessions per week. (Given at downtown business training school.) Fee \$12.50 per semester.

†1 **cd. Typing.** (2-2) (Continuation.) Fee \$12.50 per semester.

†2 **ab. Shorthand.** (2-2) Two 2-hour sessions per week. (Given at downtown business training school.) Fee \$12.50 per semester.

†2 **cd. Shorthand.** (2-2) (Continuation.) Fee \$12.50 per semester.

†3 **abL. Bookkeeping.** (3-3) An introduction to the principles and practices of bookkeeping, including debit and credit procedure, the use of controlling accounts, special journals, and the preparation of profit and loss, and balance sheet statements. MF, 2, W, 2-4. Mrs. Dixon.

†4. **Introduction to Business.** (3) I. Up-to-date procedure, methods and problems of modern business enterprise. MWF, 1. Mrs. Dixon.

†5. **Business Correspondence for Secretaries.** (3) II. A study of correct sentence structure, the writing of sales, collection, and application letters, reports, etc. MWF, 1. Mrs. Dixon.

†6. **Salesmanship.** (2) II. The approach and appeal necessary to the consummation of a sale; selling methods which have proved successful. Students are required to engage in actual selling work. TTh, 11. Staff.

†7. **Machine and Office Training.** (3) II. The procedure in various types of offices; occasional inspection trips to well-managed offices. (Given at downtown business training school.) Fee \$12.50.

†8 **ab. Business Legal Practice.** (3-3) The theory and practical problems involved in business contracts. MWF, 10. Mrs. Dixon.

#### DEPARTMENTS OF EDUCATION

Professors Nanninga (Dean), Diefendorf, Haight, Tireman, Fixley, Clauve; Associate Professors Du Bois, Moyers, White; Graduate Fellows Grove, Wiebers.

#### MISCELLANEOUS AND GENERAL COURSES IN EDUCATION

##### Primarily for Freshmen and Sophomores

\*31. **Introduction to Education.** (2) I, II. Required of all College of Education freshmen. I: Section A, TTh, 8. Mr. White. Section B, TTh, 9, Mr. Moyers. Section C, TTh, 11. Mr. Fixley. II: TTh, 11. Mr. Fixley.

72. **Health Education.** (2) I, II. Health instruction in elementary schools. T, 7-9. Mr. White.

95. **Social Arts.** (2) SS. Standards of social behavior.

#### For Juniors, Seniors, and Graduates

101. **History of Education in Europe.** (3) I. MWF, 10. Mr. Moyers.

102. **History of Education in the United States.** (3) II. MWF, 10. Mr. Moyers.

105. **Adult Education.** (2.5) SS. Origin, development, philosophy, objectives, methods, and materials.

107. **Problems of Education in New Mexico.** (2) I, II. New Mexico school system. I: TTh, 11. II: W, 7-9. Mr. Nanninga.

109. **Educational Sociology.** (3) II. Sociological aspects of school problems. MWF, 11. Mr. Reid.

112. **Current Educational Problems.** (2) I, II. Arranged. Staff.

115. **Educational and Vocational Guidance.** (3) II. Principles and methods. MW, 4-5:30. Mr. Fixley.

116. **Professional Adjuncts.** (1) II. Attention to personality traits, the interview and written application, effective speech, personal budget, community relationships. For juniors and seniors only. T, 2. Mr. Fixley.

151. **Problems.** (1-3) I, II. Arranged. Staff.

174. **Philosophy of Education.** (2) I, II. S, 10-12. Mr. Moyers.

#### For Graduates Only

251 ab. **Problems.** (1-3 each semester) I, II. Arranged. Staff.

300. **Thesis.** (3-6) I, II. Arranged. Staff.

### DEPARTMENT OF ELEMENTARY EDUCATION

#### Primarily for Freshmen and Sophomores

42. **Classroom Organization and Management.** (3) II. Section A, MWF, 9. Mr. Reid. Section B, TThS, 9. Mr. White.

52. **Teaching English to Non-English-Speaking Children.** (2) SS. For pre-first and first grade teachers.

56. **Primary Methods.** (3) SS. Materials and activities suitable for kindergarten or beginning pupils.

58. **Materials and Techniques of Teaching in the Elementary School.** (3) SS. Methods of teaching language, arithmetic, and spelling. Arranged. Staff.

61. **Teaching Reading in the Primary Grades.** (3) I. Methods and materials in pre-first to the fourth grades. MWF, 2. Mr. Tireman.

62. **Teaching of Language, Social Studies, and Arithmetic.** (3) II. Materials and methods in grades one to four. MWF, 8. Mr. Tireman.

64. **Practice Teaching in Elementary Grades.** (4) I, II. Prerequisites: an observation course and Education 61. Co-requisite: Education 62. Arranged. Mr. Tireman.

91. **The Teaching of Art in Elementary School.** (2) I. Prerequisite: Education 31. TTh, 4-6, Lab arranged. Mr. Del Dosso.

96. **Teaching Artcrafts in the Schools.** (3) II. Industrial needs of the child; art concerned with food, clothing, shelter, records, utensils, tools,

and machines. Crafts are demonstrated and executed; problems in clay, weaving, textiles, papier mache, toy-making, booklet making, and expression through miscellaneous crafts materials. Arranged.

#### For Juniors, Seniors, and Graduates

122. **Supervision of the Language Arts in the Primary Grades.** (3) SS. Supervision of reading, language, and spelling. If Education 61 has been taken, consult instructor before enrolling in this course. Mr. Tireman.

123. **Supervision of Elementary Education.** (3) I. Supervision of reading in the fourth, fifth, and sixth grades. Diagnosis and remedial work. Prerequisite: Education 61 or 122. MWF, 11. Mr. Tireman.

128. **The Curriculum in Art Education.** (3) I. Curriculum building, development of significant units for teaching art, analysis and evaluation of courses of study, and examination of available tests in the arts. Arranged.

129 k. **Social Studies Curriculum Workshop.** (1-5) I, II, SS. Curriculum units in the social studies field. The student must spend in the workshop two hours per week for one semester, per hour of credit earned. Enrollment is limited to those who have over 60 hours and are teaching or have had teaching experience. S, 8-12 and 1-5. SS, daily. Mr. Moyers.

131. **Music Education.** (3) I. Kindergarten and grades. MWF, 9. Miss Clauve.

132. **Supervision of the Social Studies.** (2) I, SS. (Offered in 1942-43 and alternate years.) F, 4-6. Mr. Moyers.

133. **The Activity Program.** (3) SS. History, philosophy, and practices of activity teaching. Mr. Moyers.

135. **Supervision of Arithmetic.** (2) II. SS. (Offered in 1942-43 and alternate years.) F, 4-6. Mr. Moyers.

136. **Practice Teaching in Elementary Grades.** (5) I, II. Prerequisite: an observation course, Education 61, 62, and 123. Arranged. Mr. Tireman.

137. **Elementary School Curriculum.** (3) SS. Principles and techniques of curriculum construction. Staff.

138. **Supervision of Elementary School Instruction.** (3) I. SS. (Offered 1943-44 and alternate years.) ThF, 4:30-6. Mr. Moyers.

#### For Graduates Only

251 ab. **Problems.** (1-3 each semester) I, II. Arranged. Mr. Tireman.

252. **Bilingual Education.** (2) II. S, 10-12. Mr. Tireman.

300. **Thesis.** (3-6) I, II. Arranged. Mr. Tireman.

#### DEPARTMENT OF SECONDARY EDUCATION

##### For Juniors, Seniors, and Graduates

141. **Principles of Secondary Education.** (3) I, II. MWF, 11. Mr. Diefendorf.

142. **High School Curriculum.** (3) II. Trends and practical programs. MWF, 1. Mr. Diefendorf.

144. **The Junior High School.** (2) History of the junior high school movement and some of the problems arising from its organization and administration. Mr. Diefendorf.

147. **Extra-Curricular Activities in the Secondary School.** (3) I. The guiding principles of pupil participation in the extra-curricular life of the junior and senior high school. MW, 4:30-6. Mr. Fixley.
153. **High School Methods.** (3) I, II. Prerequisite: Psychology 54. MWF, 9. Mr. Diefendorf.
155. **The Teaching of High School Subjects.** All specific methods courses are listed under the general number, Education 155, with the designating subscripts as indicated. These courses carry credit in education only, not in the subject matter departments. Required of students following secondary curricula. Prerequisite: Education 153.
- a. **The Teaching of Art in High School.** (3) II. Prerequisite: Education 31. TTh, 4-6. Mr. Del Dosso.
- b. **The Teaching of Biology in High School.** (3) I.
- c. **The Teaching of English in High School.** (3) II. Prerequisite: English 1 ab. TThS, 9. Miss Keleher.
- d. **The Teaching of Home Economics in High School.** (3) I. TThS, 9. Mrs. Simpson.
- e. **The Teaching of Mathematics in High School.** (3) I. MWF, 9. Mr. Newsom and Miss Buck.
- f. **The Teaching of Music in High School.** (3) II. MWF, 9. Miss Clauve.
- h. **The Teaching of Sciences in High School.** (3) I.
- k. **The Teaching of Social Studies in High School.** (3) II. MWF, 1-3. Mr. Moyers.
- m. **The Teaching of Spanish in High School.** (2) II. TTh, 10. Mr. Kercheville. (Offered 1942-43 and alternate years.)
- n. **The Teaching of Reading in the Junior High School.** (2) I. S, 10-12. Mr. Tireman.
156. **Practice Teaching in High School.** (5) I, II. Observation and teaching in Albuquerque High Schools. Prerequisite: Education 153. I: T, 7. Four hours arranged. II: T, 4:15. Four hours arranged. Mr. Diefendorf.
158. **High School Supervision.** (3) II. (Offered 1943-44 and alternate years.) ThF, 4:30-6. Mr. Moyers.
159. **Directed Study.** (3) Theory and practice of directing pupil study. Staff.

#### For Graduates Only

241. **Seminar in Secondary Education.** (2) II. S, 8-10. Mr. Diefendorf.
- 251 ab. **Problems.** (1-3 each semester) I, II. Arranged. Staff.
254. **Health Education Methods for Secondary Schools.** SS.
270. **Diagnosis in Physical and Health Education.** SS.
272. **Administration of Health Education.** SS.
300. **Thesis.** (3-6) I, II. Arranged. Staff.

#### DEPARTMENT OF EDUCATIONAL ADMINISTRATION

#### For Juniors, Seniors, and Graduates

164. **City School Administration.** (3) I. Educational, financial, and administrative principles. MWF, 9. Mr. Fixley.
166. **The Principal and His School.** (3) II. Organization, administration, and supervision of a single school. MWF, 9. Mr. Fixley.

**171. Problems of the Teaching Profession.** (3) II. The principles of educational administration and organization as applied to the duties and responsibilities of the classroom teacher. Th, 7-9, and 1 hour arranged. Mr. Nanninga.

#### For Graduates Only

- 201 ab. Research Methods in Education.** (2-2) Required of all candidates for a graduate degree in education. T, 4-6. Mr. Fixley.  
**206. Seminar in Educational Administration.** (2) II. Advanced reading and problems in educational administration. S, 10-12. Mr. Fixley.  
**251 ab. Problems.** (1-3 each semester) I, II. Arranged. Staff.  
**261 [161] School Law.** (3) II. Legislation and court decisions, with special reference to New Mexico school law. MWF, 9. Mr. Fixley.  
**263. State School Administration.** (3) I. State school systems. Federal and state policy, and forms of control. MWF, 11. Mr. Nanninga.  
**268. Public School Finance.** (3) II. Special attention to New Mexico. MWF, 10. Mr. Fixley.  
**277. School Buildings and Equipment.** (3) I. Problems, standards, committee reports, field trips. MWF, 10. Mr. Fixley.  
**300. Thesis.** (3-6) I, II. Arranged. Staff.

#### DEPARTMENT OF EDUCATIONAL PSYCHOLOGY

For description of courses and hours, see Department of Psychology

#### Primarily for Sophomores

- 54. Educational Psychology.** (3) II.

#### For Juniors, Seniors, and Graduates

- 181. Educational Tests and Statistics.** (3) I.  
**183. Educational Psychology.** (3) I, II.  
**185. Mental Measurements.** (3) II.  
**186. Psychology of Exceptional Children.** (3) SS.  
**187. Child Psychology.** (3) I.  
**188. Classroom Tests.** (2) II.  
**190 L. Clinical Psychology.** (3) II.

#### For Graduates Only

- 251. Problems.** (2) I, II.  
**300. Thesis.** (3-6) I, II.

#### DEPARTMENTS OF ENGINEERING

Professors Farris (Dean), Dorroh; Associate Professors Ford, Lewellen, Tapy, Wagner; Assistant Professors Hume, Jones; Instructor Koerting.

Combined Curriculum in Engineering and Arts and Sciences.—See "College of Arts and Sciences."

#### GENERAL COURSES IN ENGINEERING

**\*1 abL. Engineering Drawing and Descriptive Geometry.** (3-3) The essentials of drafting including the use of instruments, lettering, pro-

jecting, sections, developments, isometric drawing, and working drawings and the theory and science of engineering drawing. Approved drawing equipment required. I: 1 aL: Section A, TTh, 8-11. Mr. Koerting. Section B, MW, 1-4. Mr. Jones. Section C, TTh, 1-4. Mr. Koerting. Section 1 bL, MT, 1-4. Mr. Koerting. II: 1 bL: Section A, TTh, 8-11. Mr. Koerting. Section B, MW, 1-4. Mr. Koerting. Section C, TTh, 1-4. Mr. Koerting. Section 1 aL, ThS, 8-11. Mr. Koerting.

\*2 aBL. [5, 6] [Orientation, Engineering Problems] Introduction to Engineering. (2-2) Orientation and Engineering problems. I: 2 aL: Section A, F, 1-4. Mr. Wagner. Section B, F, 1-4. Mr. Tapy. Section C, F, 1-4. Mr. Ford. II: 2 bL: Section A, F, 1-4. Mr. Wagner. Section B, F, 1-4. Mr. Tapy. Section C, F, 1-4. Mr. Ford.

\*53. Engineering Materials. (3) II. Characteristics of metals, alloys, wood, and concrete, and of the manufacture and heat treatment of iron and steel. Prerequisite or co-requisite: Chemistry 1 b, 1 bL. MWF, 10. Mr. Lewellen.

101. Mechanics. (4) I, II. Principles of statics, kinematics, and kinetics. Prerequisite: junior standing. I: Section A, MWF, 8, F, 1-4. Mr. Dorroh. Section B, TThS, 8, S, 9-12. Mr. Hume. II: MWF, 8, S, 9-12. Mr. Dorroh.

102. Strength of Materials. (4) II. The mechanics of materials; theory of beams, columns, and shafts. Prerequisite: Engineering 101. Section A, MWF, 8, F, 1-4. Mr. Hume. Section B, TThS, 8, F, 1-4. Mr. Dorroh.

104 L. Strength of Materials Laboratory. (2) II. Co-requisite: Engineering 102. Section A, TTh, 1-4. Mr. Dorroh. Section B, MW, 1-4. Mr. Dorroh.

111. Engineering Economy. (2) I. Prerequisite: junior standing. MW, 11. Mr. Dorroh.

151. [151 ab] Seminar. (1) I. Prerequisite: senior standing. F, 11. Mr. Hume.

152. Contracts and Specifications. (2) II. The law governing engineering practice. Prerequisite: senior standing. TTh, 10. Mr. Wagner.

#### DEPARTMENT OF CIVIL ENGINEERING

\*55 L. Surveying. (3) I, II. Plane surveying, including the theory and use of the chain, tape, compass, transit, and level. Prerequisite: Mathematics 18 b. Section A, MW, 1-4, W, 9. Mr. Hume.

56 L. Advanced Surveying. (4) II. Topographic methods including the theory and use of the plane table, barometer, and sextant; hydrographic and aerial surveying; geodetic triangulation; and astronomical observations. Prerequisite: C. E. 55 L. MW, 10, TW, 1-4. Mr. Wagner.

104 L. Curves and Earthwork. (4) I. The principles involved in the economic location of railroads and highways. Prerequisite: C. E. 56 L. TTh, 9, Th, 1-4, S, 9-12. Mr. Wagner.

110. Hydraulics. (3) II. Elementary theory, including hydrostatics and hydrodynamics. Prerequisite: Math. 53 b and Physics 41 ab and 41 abL. TThS, 8. Mr. Hume.

115 L. Masonry Materials. (3) II. The manufacture and properties of lime, clay products, and cement; occurrence and properties of stone, sand, and gravel; design and tests of concrete and mortars. Prerequisite: junior standing. TTh, 9, S, 9-12. Mr. Wagner.

**118 L. Highway Engineering.** (3) I. Location, construction, maintenance, cost, durability, and methods of financing all types of country roads and city pavements. Prerequisite: C. E. 56 L. MW, 11, M, 1-4. Mr. Wagner.

**157 F. Field Surveying.** (2) Summer camp, two weeks. Practice in topographic surveying. Complete surveys of projects are made and the notes used for mapping. Prerequisite: C. E. 56 L. Mr. Wagner.

**159 L. [Theory of Structures] Reinforced Concrete Design.** (5) I. Prerequisite: Engineering 102. MWF, 10, Th, F, 1-4. Mr. Hume.

**160 L. Design of Structures.** (5) II. Timber and steel. Prerequisite: C. E. 159 L. MWF, 10, Th, 1-4, S, 9-12. Mr. Hume.

**162 abL. Municipal Engineering.** (3-3) Street design, water supply, storm and sanitary sewers, water treatment plant and sewerage treatment plant. Prerequisites: C. E. 110 and C. E. 118 L. I: M, 1-4, TTh, 8. Mr. Dorroh. II: M, 1-4, TTh, 8. Mr. Wagner.

**167 L. Soils.** (3) I. Engineering properties and treatment of soils. Prerequisite: senior standing. MW, 8, T, 1-4. Mr. Wagner.

**173 L. Hydraulics Laboratory.** (1) II. Co-requisite: C. E. 110. Section A. M, 1-4. Mr. Hume. Section B. T, 1-4. Mr. Hume.

#### Electives

One of these courses may be given each year; others, if demand is sufficient.

**184. Water Power.** (3) I. Prerequisite: C. E. 110. Arranged. Staff.

**186. Highway Administration and Finance.** (3) Selection and improvement, maintenance, and financing of highway systems. Prerequisite: senior standing. Arranged. Staff.

#### DEPARTMENT OF ELECTRICAL ENGINEERING

**52. Survey of Electrical Engineering.** (3) II. Problems in power, communication, and illumination. Prerequisite: Mathematics 18 b. MWF, 8. Mr. Jones.

**101 L. Direct Current Circuits and Machinery.** (4) I. Electric, magnetic, and dielectric circuits; theory and application of D. C. dynamos. Prerequisites: Mathematics 53 b and Physics 41 abL. Co-requisite: Physics 111 a. MWF, 9, Th, 1-4. Mr. Jones.

**102 L. Theory of Alternating Currents.** (4) II. Wave form analysis, alternating currents in circuits with lumped constants, A. C. measurements. Prerequisite: E. E. 101 L. M, 1-4, TThS, 9. Mr. Jones.

**105 L. Elements of Electrical Engineering.** (4) II. Electrical circuits and machines stressing applications. Prerequisites: Mathematics 53 b and Physics 41 bL. MWF, 11, T, 1-4. Mr. Jones.

**106 abL. Electrical Applications.** (3-3) Theory and applications of D. C. and A. C. motors, generators, and transformers. Prerequisites: Mathematics 53 b and Physics 41 bL. I: TTh, 9, F, 1-4. Mr. Jones. II: TTh, 9, Th, 1-4. Mr. Tapy.

**132 L. Electronics.** (4) II. Theories of ionization; current flow in ionized regions; thermionic, photoelectric, and other types of electron emission; characteristics and application of electron tubes. Co-requisite: E. E. 102 L. MWF, 9, W, 1-4. Mr. Jones.

**151 abL. Alternating Current Machinery.** (4-4) Prerequisite: E. E. 102 L. I: MWF, 10, M, 1-4. Mr. Tapy. II: MWF, 10, W, 1-4. Mr. Tapy.

**161 abL. Design of Electrical Machinery.** (2-2) Prerequisite: E. E. 102 L. May be taken with, but may not precede, E. E. 151 abL. I: W, 1-5. Mr. Tapy. II: T, 1-5. Mr. Tapy.

**171. Industrial Applications.** (3) II. Characteristics of electrical machinery and their applications; control circuits. Prerequisites: E. E. 151 aL or 106 abL. TThS, 8. Mr. Tapy.

**186. Generating Stations.** (3) II. The engineering and economic considerations governing the location, design, and operation of electric power plants, and the elementary principles of corporate finance and rate-making. Prerequisites: Economics 105 and Electrical Engineering 151 aL. MWF, 8. Mr. Tapy.

**191 L. Radio Telephony.** (4) I. Theoretical and practical considerations of apparatus used in radio and telephone communications. Emphasis is placed on elementary theory of electromagnetic wave radiation, antenna and transmission line design. Prerequisite: E. E. 132 L. TThS, 10, T, 1-4. Mr. Jones.

**196. Power Transmission and Distribution.** (3) I. Electrical and mechanical characteristics; economics of transmission and distribution systems. Prerequisite: E. E. 151 aL. TThS, 9. Mr. Tapy.

#### DEPARTMENT OF MECHANICAL ENGINEERING

**52 L. Shop Methods.** (3) I, II. A study of the shop equipment used in working engineering materials. I: W, 9, WF, 1-4. Mr. Koerting. II: Th, 11, WF, 1-4. Mr. Lewellen.

**\*55. Elements of Flight.** (3) I, II, SS. A ground school course required by the Civil Aeronautics Administration for the Private Flying Course. I and II: TTh, 7-9.

**101. Heat Power Engineering.** (3) I, II. Theory and characteristics of heat engines and heat power equipment. Prerequisites: Mathematics 53 b and Chemistry 1 b and 1 bL. I: Section A, MWF, 8. Mr. Lewellen. Section B, TThS, 8. Mr. Lewellen. II: MWF, 11. Mr. Farris.

**102. Thermodynamics.** (3) II. Prerequisite: M. E. 101. MWF, 11. Mr. Lewellen.

**103 L. Heat Power Laboratory.** (2) I, II. Prerequisite or co-requisite: M. E. 101. TTh, 1-4. Mr. Lewellen.

**114 L. Mechanisms.** (3) I. Displacements, velocities, and accelerations of such machine elements as links, cams, gears, chains. Prerequisite: Engineering 1 bL. MW, 1-5. Mr. Farris.

**125. Advanced Flight.** (3) I, II, SS. A ground school course required by the Civil Aeronautics Authority for the Secondary Flight Training Course. Prerequisite: M. E. 55. I and II: MWF, 7-9.

**151 abL. Mechanical Engineering Laboratory.** (2-2) Tests of boilers, engines, turbines, fans, compressors, and pumps; internal combustion engines, and refrigerating equipment. Prerequisite: M. E. 102. MW, 1-4. Mr. Ford.

**153 abL. Machine Design.** (3-3) Machine elements, working drawings, and cost estimates. Prerequisites: M. E. 114 L and Engineering 102. I: TF, 1-5. Mr. Farris. II: ThF, 1-5. Mr. Farris.

**155. Power Plants.** (3) I. Types and equipment. Prerequisite: M. E. 102. TThS, 9. Mr. Ford.

**156. Industrial Engineering.** (3) II. The principles of management applied to the general operation of engineering projects and manufacturing plants. Prerequisite: senior standing. MWF, 8. Mr. Lewellen.



**160. Internal Combustion Engines.** (3) I. Theories of Otto and Diesel type engines. Prerequisite: M. E. 102. MWF, 9. Mr. Lewellen.

**162 L. Air Conditioning.** (3) II. Prerequisite: M. E. 102. TTh, 9, S, 9-12. Mr. Ford.

**167. Aerodynamics.** (3) I. Application of the fundamental principles of mechanics and hydrodynamics to the study of airplane design and performance. Prerequisite: Engr. 102. TThS, 10. Mr. Dorroh.

**168. [121 L] General Aeronautics.** (2) I. Basic principles of aeronautics as applied to the airplane and airship. Prerequisite: Engineering 101. TTh, 9. Mr. Lewellen.

**171 L. [171 abL] Airplane Structures.** (5) II. Application of fundamental principles of structural theory to practical airplane design. Prerequisites: M. E. 102, 167 and 168. MWF, 10, ThS, 9-12. Mr. Hume.

**181 ab. Petroleum Production.** (3-3) Oil field development methods of drilling and oil recovery, preliminary refining storage and transportation. Prerequisite: senior standing. MWF, 11. Mr. Ford.

### DEPARTMENT OF ENGLISH

Professors St. Clair (Emeritus), Pearce (Head); Associate Professors Smith, Wynn; Assistant Professor Keleher; Instructors Jacobs, Simons, Swallow; Teaching Assistant Blessing.<sup>1</sup>

**Group Requirements.**—Courses in this department count toward English (Group I) with the exception of A and 51 ab.

**Major Study.**—English 1 ab, 53 ab, and 24 additional hours in courses numbered above 50. The courses taken must include 82 or 164, 91, 141, 151 or 154; two courses chosen from 132, 143, 146, 148, 157, 177, 178, 181; and 198. Twelve hours must be taken in courses numbered above 100. Students are urged to elect History 71 ab as a collateral course. Students with special interest in the theater may elect Dramatic Art 60 or 90 ab toward a major study in English. Majors and minors planning to teach English should enroll in Education 155 c, The Teaching of English in High School, which is given in the second semester. A comprehensive final examination in English literature, language, and composition is required of majors.

**Minor Study.**—College of Arts and Sciences: English 1 ab and 15 hours in courses numbered above 50.

College of Education: English 1 ab and 18 hours in courses numbered above 50.

**Curriculum Preparatory to Journalism.**—See "College of Arts and Sciences."

### Primarily for Freshmen and Sophomores

English 1 ab is prerequisite to all other courses in the department except English A and 51 ab.

**A. Review English.** (O) I. Fundamentals of English grammar and rhetoric. Required of all students who fail the English placement test, and must be completed before their registration in English 1 a. Section X, MWF, 8. Section Y, TThS, 9.

**1 ab. Freshman Composition.** (3-3) I, II. I: Exposition, paragraph structure, informal essay, investigative paper, reading reports. II: Etymology, diction, connotation, descriptive and narrative sketches,

<sup>1</sup> Semester I, 1941-42.

reading reports. Section A, MWF, 9. Section B, MWF, 9. Section C, MWF, 1. Section D, TThS, 9. Section E, MWF, 1. Section J, TThS, 9. Section K, MWF, 9. Section L, MWF, 8. Section M, MWF, 9. Two sections of 1 b are offered in I, and two sections of 1 a in II.

**20. Corrective Speech.** (2) SS. Speech composition and delivery. Meets state certification requirements. Mr. Snapp.

**51 ab. Beginning Journalism.** (2-2) Practical work in gathering and reporting of news. Two hours laboratory after short period of introductory lectures. Credit for elective but not acceptable for group requirements. T, 2, Th, 2-4. Mr. Swallow.

**53 ab. Survey of English Literature.** (3-3) Restricted to students who expect to make English their major or minor. MWF, 2, Miss Keleher.

**55. Public Speaking.** (3) I. Principles and types of speech with emphasis on speech situation. MWF, 11. Miss Keleher.

**\*56. Utopias in English Literature.** (1) II. Literature emphasizing social progress, including the works of More, Butler, Shelley, Bellamy, and Wells. Th, 7. Mr. Pearce.

**\*57 ab. Types of English Literature.** (3-3) I: Poetry; II: Prose. Either 57 a or 57 b may count toward an English major, but not both. I: MWF, 2. II: TThS, 10. Miss Simons.

**58. Argumentation and Debate.** (3) II. MWF, 11. Mr. Swallow.

**59. Interpretative Reading.** (2.5) SS. Interpreting literary material for public reading. Mr. Snapp.

**60. Play Production.** (2) SS. A practical course in the staging of plays, directing and acting. Performances given by students in one-act plays, original plays, and children's plays. Mr. Snapp.

**63. Creative Writing.** (3) II. MWF, 10. Miss Keleher.

**64 ab. Technical Writing.** (3-3) Primarily for Engineers. TThS, 8. Miss Simons.

**65. Practical English and Speech.** (3) I. Advanced exposition for students not majoring in English. Section A, TThS, 8. Mr. Jacobs. Section B, MWF, 11. Mr. Swallow.

**68. Advanced Composition.** (3) II. Reading and writing of non-fictional prose. MWF, 8. Mr. Swallow.

**75 ab. World Literature.** (3-3) Masterpieces of European and Western Asiatic literature. MWF, 3. Mr. Mitchell, Mr. Lopes, and Mr. Smith.

**\*77. Southwestern Literature.** (1) I. Interpretation of the cultural and esthetic values. Th, 7. Mr. Pearce.

**82. American Literature.** (3) II. A general survey to 1900, with more intensive study of the great writers of the nineteenth century. MWF, 2. Mr. Smith.

**83. Contemporary Letters and Criticism.** (.5) SS. Series of lectures by leading poets, novelists, and critics of the Southwest. Fee \$1.50.

**88. Myths and Epics.** (2) II. Great myths of Greece and Rome and their application in English literature, together with examination of the major folk epics. TTh, 11. Mr. Jacobs.

**91. History of the English Language.** (2) I. The etymology, morphology, phonetics, and semantics of English; the relation between linguistic and cultural changes. T, 7-9. Mr. Pearce.

**95 ab. Greek Literature in Translation.** (2-2) Lectures on the devel-

opment of various masterpieces of poetry and prose. TTh, 2. Mr. Mitchell.

#### For Juniors, Seniors, and Graduates

132. **Contemporary Poetry.** (3) I. English and American. Prerequisite: English 53 b or 57 a. (Offered in 1943-44 alternately with English 181.) MWF, 11. Mr. Wynn.

141. **Shakespeare.** (3) II. A detailed study of selected plays. TThS, 10. Mr. Wynn.

143. **Drama of the Restoration and Eighteenth Century.** (3) II. The best plays from D'Avenant to Sheridan. Prerequisite: English 53 a. MWF, 10. Mr. Smith.

146. **Age of Milton.** (3) I. Non-dramatic poetry and prose from 1600 to 1674, with especial emphasis upon the masterpieces of Milton. Prerequisite: English 53 a or 57 a. MWF, 1. Mr. Smith.

147. **Studies in World Drama.** (2) I. TTh, 4:15. Mr. Smith.

148. **Elizabethan Drama Exclusive of Shakespeare.** (3) II. Special attention to the plays of Marlowe and Jonson. Prerequisite: English 53 a or 57 b. TThS, 9. Mr. Pearce.

149. **Contemporary Drama.** (2) I. Prerequisite: English 53 a or 57 b. (Not offered in 1942-43.) TTh, 4:15. Mr. Wynn.

151. **Chaucer.** (3) I. A reading of Chaucer's chief literary works with an examination of his philosophy. Prerequisite: English 53 a or 57 a. MWF, 3. Mr. Pearce.

154. **Middle English.** (3) II. A general survey of the types of fourteenth century literature. Prerequisite: English 53 a. MWF, 3:15. Mr. Pearce.

157. **Elizabethan Literature Exclusive of the Drama.** (3) I. Development of humanism, new poetry, literature of courtesy. Prerequisite: English 53 a or 57 a. TThS, 9. Mr. Pearce.

161. **Advanced Composition.** (2.5) SS. Expository and narrative prose and the writing of verse.

164. **American Literature in the Nineteenth Century.** (3) SS. An intensive study of the outstanding authors and their works. Mr. Smith.

177. **The Classical Period in English Literature.** (3) I. The chief writers in England from the Restoration to the decline of neo-classicism. Prerequisite: English 53 a or 57 a. MWF, 10. Mr. Smith.

178. **The Romantic Period.** (3) II. The major poets, and the prose of the early nineteenth century. Prerequisite: English 53 a or 57 a. MWF, 11. Mr. Wynn.

181. **Victorian Poets.** (3) I. The representative poets from 1830 to 1890. Prerequisite: English 53 a or 57 a. (Offered in 1942-43 alternately with English 132.) MWF, 11. Mr. Wynn.

185. **Early English Novel.** (3) I. From the beginnings through Dickens. Prerequisite: English 53 a or 57 b. (Offered in 1943-44 alternately with English 186.) TThS, 10. Mr. Wynn.

186. **Later English Novel.** (3) I. From Thackeray to the present. Prerequisite: English 53 a or 57 b; recommended English 185. (Offered in 1942-43 alternately with English 185.) TThS, 10. Mr. Wynn.

198. **Review Seminar.** (1) II. Senior English majors are required to take this course. F, 4:15. Staff.

**For Graduates Only**

205. **History of Criticism, Chiefly English.** (1) I. The essential principles of literary criticism, and their application to English letters. F, 4:15. Mr. Smith.
209. **Jacobean Poetry—Dramatic and Lyric.** (2) I. (Offered in 1942-43 and alternate years.) Arranged. Mr. Swallow.
219. **Carlyle and His Circle.** (2) I. (Offered in 1943-44 and alternate years.) Arranged. Mr. Jacobs.
247. **Studies in Shakespeare.** (2) SS. Mr. Wynn.
248. **Marlowe and Jonson.** (2) II. Seminar in romantic and realistic plot, characterization and staging. W, 4-6. Mr. Pearce.
249. **Old English.** (3) II. Readings in Old English prose and poetry, exclusive of Beowulf. (Offered in 1943-44 alternately with English 250.) S, 10-12 and 1 hour arranged. Mr. Pearce.
250. **Beowulf.** (3) II. Reading of the Old English epic, Beowulf, and The Finnsburgh Fragment. (Offered in 1942-43 alternately with English 249.) S, 10-12 and 1 hour arranged. Mr. Pearce.
- 251 ab. **Problems.** (1-3) I, II. Studies in literature and philology. Arranged. Staff.
- 299 ab. **Studies in American Literary Culture.** (3-3) I: Beginnings to 1860: Amerind lore, early New England, the South, New Spain. II: 1860 to 1915: Western local color and mid-western realism; the Eastern tradition of gentility; naturalists, folklore, American expression. Arranged. Staff.
300. **Thesis.** (3-6) I, II. Arranged. Staff.

**GEOGRAPHY (Not a Department)**

Professors Brand (in charge of the minor), Bostwick, Northrop, Sorrell, Workman; Associate Professors Bell, Holzer.

**Major Study.**—Not offered.

**Minor Study.**—Anthropology 53 ab (3-3), or Geology 61 (2) and Economics 43 (3); and 14 or 15 more hours (totaling 20 hours for the minor) from among the following, including at least two courses to be selected from Anthropology 119 (2), Anthropology 188 ab (3-3), and Geology 54 (2). (Observe prerequisites.)

**\*Anthropology 53 a. Anthro-geography.** (3) I. History of geography; cartography, land forms, meteorology, climatology, soils, plant and animal geography, demography. TThS, 11. Mr. Brand.

**\*Anthropology 53 b. Anthro-geography.** (3) II. The natural resources of the earth, and their utilization by man. TThS, 11. Mr. Brand.

**\*Anthropology 55. Human Geography of New Mexico.** (3) I. (Offered 1942-43 and alternate years.) TThS, 10. Mr. Brand.

**Anthropology 113. Climatology.** (3) II. (Not offered in 1942-43.) TTh, 3-4:30. Mr. Brand.

**Anthropology 119. Races and Cultures of Europe.** (2) I. (Not offered in 1942-43.) TTh, 1. Mr. Brand.

**Anthropology 146. Geography of the Pacific Area.** (2) II. (Not offered in 1942-43.) Th, 7-9. Mr. Brand.

**Anthropology 188 a. Cultural Geography: Old World.** (excepting Europe.) (3) I. TThS., 9. Mr. Brand.

**Anthropology 188 b. Cultural Geography: Latin America.** (3) II. TThS, 9. Mr. Brand.

**Biology 171 L. Physiographic Ecology.** (4) I. Prerequisite: 12 hours of Biology. MWF, 11 and one 2 hour lab. Arranged. Mr. Bell.

**Biology 172. Plant and Animal Geography.** (3) II. Prerequisite: 12 hours of Biology. MWF, 10. Mr. Bell.

**\*Economics 43. Economic Resources.** (3) II. MWF, 8. Mr. Sorrell.

**\*Geology 54. Geography of North America.** (2) SS. Staff.

**\*Geology 61. Principles of Geography.** (2) SS. Staff.

**Geology 181. Geomorphology.** (3) I. Prerequisites: Geology 2, 6 L, 108. (Offered in 1942-43 and alternate years.) TThS, 9. Mr. Northrop.

**Geology 182. Geomorphology of the United States.** (3) II. Prerequisite: Geology 181. (Offered in 1942-43 and alternate years.) Arranged. Mr. Northrop.

**Physics 15. Descriptive Meteorology.** (3) I. MWF, 9. Mr. Workman.

**Physics 116 ab. Dynamic Meteorology.** (3-3). Prerequisites: Physics 41 b, Mathematics 17 ab or 18 ab, 53 ab. TThS, 11. Mr. Holzer.

**Physics 117 abL. Synoptic Meteorology** (3-3) Weather forecasting and analysis. Prerequisite: approval of staff. MTW, 3-6. Staff.

## DEPARTMENT OF GEOLOGY

Professor Northrop (Head); Associate Professor Kelley; Part-time Assistant Professor Reiche.

**Group Requirements.**—Courses in this department count toward Science and Mathematics (Group IV).

**Major Study.**—Geology 1, 2, 5 L, 6 L, 71 abL, 106, 107 abL, 108, and at least 10 additional upper division hours. Chemistry 1 abL and Civil Engineering 55 L or its equivalent are required; note that Mathematics 18 b is prerequisite to C. E. 55 L. Students contemplating a double major may, with the approval of the department, substitute certain other courses in Geology for certain of those listed above. Students contemplating a major in Geology should take Geology 71 abL in their sophomore year; they should minor in chemistry, biology, physics, mathematics, or engineering.

**Minor in Engineering.**—Twenty hours, as approved by the department, from among the following: Engineering 1 abL, 53, 101, 102, 104 L; Civil Engineering 55 L, 56 L, 110, 157 F, 167 L, 173 L, 184; Mechanical Engineering 181 ab. (Observe prerequisites.)

**Minor Study.**—Twelve hours beyond Geology 1, 2, 5 L, and 6 L.

### Primarily for Freshmen and Sophomores

**\*1. Physical Geology.** (3) I, II. Materials composing the earth and work of agencies, both external and internal, modifying its surface. I: Section A, MWF, 9. Mr. Reiche. Section B, MWF, 10. Mr. Northrop. II: Section A, MWF, 9. Mr. Kelley. Section B, MWF, 10. Mr. Reiche.

**\*2. Historical Geology.** (3) II. History of the earth; rise and succession of the various forms of life. Prerequisite: Geology 1. Section A, MWF, 9. Mr. Northrop. Section B, MWF, 10. Mr. Northrop.

**\*5 L. Physical Geology Laboratory.** (1) I, II. Minerals, rocks, and topographic maps. Credit suspended when credit in Geology 1 is not

earned. Co-requisite: Geology 1. I: Section A, T, 2-4. Section B, W, 2-4. Section C, Th, 2-4. II: Section A, M, 2-4. Section B, T, 1-3. Staff.

**\*6 L. Historical Geology Laboratory.** (1) II. Fossils and paleogeographic maps; emphasis on historical geology of New Mexico. Credit suspended when credit in Geology 2 is not earned. Co-requisite: Geology 2. Section A, W, 2-4. Section B, Th, 1-3. Staff.

**\*54. Geography of North America.** (2) (Normally offered in Summer Session only.) Staff.

**\*61. Principles of Geography.** (2) (Normally offered in Summer Session only.) Staff.

**71 abL. Mineralogy.** (3-3) Crystallography; chemical, physical, and descriptive mineralogy; geologic occurrences, associations, and uses. Prerequisite: Geology 1; prerequisite or co-requisite: Chemistry 1 abL. Course 71 aL may be taken separately, but 71 aL is prerequisite to 71 bL. T, 1-5, Th, 1-4. Mr. Kelley.

### For Juniors, Seniors, and Graduates

**101. [Economics Geology, Nonmetals] Nonmetalliferous Deposits.** (3) I. Origin, properties, utilization, and classification of industrial minerals, rocks, and coal. Prerequisites: Geology 6 L and 71 abL. (Offered in 1943-44 and alternate years.) MWF, 11. Mr. Kelley.

**102. [Economic Geology, Metals] Ore Deposits.** (3) I. Metalliferous deposits with respect to their origin, distribution, structure, and alteration; mining and utilization problems. Prerequisites: Geology 6 L and 71 abL. (Offered in 1942-43 and alternate years.) MWF, 11. Mr. Kelley.

**105. New Mexico Geology.** (2) I. Prerequisite: Geology 6 L; 71 abL, 107 abL, and 108 are strongly recommended. (Offered in 1943-44 and alternate years.) TTh, 9. Mr. Northrop.

**106. Field Geology.** (2) I. Geologic mapping; principles and techniques; preparation of a report. Prerequisites: Geology 6 L and Civil Engineering 55 L; prerequisite or co-requisite: Geology 107 abL. Arranged. Mr. Kelley.

**107 abL. Petrography and Petrology.** (4-3) Yr. Optical mineralogy; the polarizing microscope; systematic study of rocks with respect to their mineralogy, texture, and genesis. Prerequisites: Geology 6 L and 71 aL. Credit suspended for 107 aL until 107 bL is completed. Course 107 aL: II: TTh, 10, MW, 1-4. Course 107 bL: I: M, 1-5, W, 1-4. Mr. Kelley.

**108. Structural Geology.** (3) II. Rock structures and their origins; problems. Prerequisite: Geology 6 L; mechanical drawing or descriptive geometry or both are strongly recommended. TThS, 9. Staff.

**109 abL. Stratigraphy.** (4-4) Yr. Principles, followed by a survey of the stratified rocks of North America, their correlation, stratigraphic relations, and guide or index fossils. Prerequisite: Geology 6 L; some biology is strongly recommended. Credit suspended for 109 aL until 109 bL is completed. (Offered in 1942-43 and alternate years.) TTh, 11, MW, 1-4. Mr. Northrop.

**111 abL. Paleontology.** (4-4) Yr. Fossil plants, invertebrates, and vertebrates, with emphasis on the invertebrates; structure, classification, life habits, evolution, and geologic history. Prerequisite: Geology 6 L; some biology is strongly recommended. Credit suspended for 111 aL until 111 bL is completed. (Offered in 1943-44 and alternate years.) TTh, 11, MW, 1-4. Mr. Northrop.

**115 L. Petroleum Geology.** (3) II. An inductive approach to the principles of oil origin and accumulation, based on structural and stratigraphic study of oil-producing regions and districts. Prerequisite: Geology 6 L; 107 abL, 108, and 116 L are recommended. Arranged. Mr. Reiche.

**116 L. [Sedimentation] Sedimentology.** (3) I. The sedimentary cycle and its products: rock-weathering and soils; transport; depositional environments; sedimentary petrology. Prerequisite: Geology 6 L; 107 abL and 108 are recommended. MW, 10, and one 3-hour lab. arranged. Mr. Reiche.

**131. Pleistocene Geology.** (2) II. Prerequisite: Geology 6 L. (Offered only occasionally.) Arranged. Staff.

**151 ab. Problems.** (2-2) Arranged. Staff.

**161. Ground Water.** (2) I. Occurrence and development of ground water with special emphasis on Southwestern conditions. Prerequisites: Geology 6 L, 71 abL, 108, and 116 L. Arranged. Mr. Reiche.

**172. Rock Metamorphism.** (2) II. The metamorphic processes and products. Prerequisites: Geology 107 abL and 116 L. (Offered in 1942-43 and alternate years.) Arranged. Mr. Reiche.

**181. Geomorphology.** (3) I. Origin, development, and classification of land forms, with detailed consideration of gradational processes. Prerequisite: Geology 108. (Offered in 1942-43 and alternate years.) TThS, 9. Mr. Northrop.

**182. Geomorphology of the United States.** (3) II. Detailed study of the physiographic provinces of the United States, emphasis on western United States. Prerequisite: Geology 181. (Offered in 1942-43 and alternate years.) Arranged. Mr. Northrop.

#### For Graduates Only

**251 ab. Problems.** (2-3 each semester) Arranged. Staff.

**300. Thesis.** (4-6) I, II. Arranged. Staff.

#### DEPARTMENT OF GOVERNMENT AND CITIZENSHIP

Professor Donnelly (Head); Assistant Professors Kleven, Jonas; Graduate Fellow Homan.

**Group Requirements.**—Courses in this department count toward Social Science (Group III).

**Major Study.**—In addition to 1 a or 1 b, 30 semester hours including Government 51 ab, 141 or 142, 167 or 168, 175, 197 a or 197 b.

**Minor Study.**—In addition to 1 a or 1 b, 18 semester hours including 51 ab, 141 or 142, 167 or 168, 175.

**Curriculum Preparatory to Law.**—See "College of Arts and Sciences."

**Curriculum Preparatory to Public Administration.**—See "College of Arts and Sciences."

#### Primarily for Freshmen and Sophomores

**\*1 ab. Introductory Course.** (3-3) I, II. The problems of government, methods of study, and the development of a scientific attitude. I: Section A, TThS, 8. Mr. Jonas. Section B, TThS, 9. Mr. Donnelly. Section C, TThS, 9. Mr. Kleven. II: Section A, TThS, 8. Mr. Kleven. Section B, TThS, 9. Mr. Jonas.

**\*51 ab. American Government and Politics.** (3-3) I, II. I: National government. II: State, county, and city government. I: MWF, 8. Mr. Jonas. MWF, 9. Mr. Kleven. II: MWF, 8. Mr. Jonas. MWF, 9. Mr. Donnelly.

**71 ab. Comparative Government.** (3-3) I, II. I: A selected group of democracies with special emphasis on the English Parliamentary system. II: A continuation of I with special emphasis on the theories and methods of totalitarian states. Mr. Kleven.

**75. Public Opinion and Propaganda.** (3) I. Public opinion as it affects party alignments and governmental programs. The methods used by special interests in influencing public opinion. Prerequisite: Government 1 ab. Mr. Donnelly.

**76. Political Parties.** (3) II. The American party system, national, state, and local. Prerequisite: Government 1 ab. (Offered in 1942-43 and alternate years.) MWF, 11. Mr. Donnelly.

**81 ab. History and Political Institutions of Greece and Rome.** (3-3) (Same as History 81 ab.)

#### For Juniors, Seniors, and Graduates

**103. Problems of Democracy.** (3) I. Governmental problems of special contemporary importance. Staff.

**119. Current Problems of Foreign Trade.** (3) II. (Same as Economics 119.) Raw materials, markets, private, governmental, and regional control and regulation with particular emphasis on American policy in relation to hemispheric problems and world conditions. Mr. Kleven.

**121. Public Administration.** (3) I. Introduction to the general problems of public administration in the modern state; evolution of administrative organization; tendency toward centralization; process of integration; controls which are exercised over administration by the courts and legislatures; reorganization of administration. Prerequisite: Government 51 ab. Mr. Donnelly.

**131. Administrative Law.** (3) II. The legal and constitutional problems involved in the regulation of administrative officers and agencies. Prerequisites: Government 51 ab, 121. Mr. Kleven.

**141. International Relations.** (3) I. The origin and nature of the problems involved in international relations. Recommended: History 51 ab and 151. MWF, 9. Mr. Donnelly.

**142. Contemporary World Politics.** (3) II. An analysis of the foreign policies of the great powers and of contemporary problems growing out of these foreign policies. Mr. Donnelly.

**143. International Law.** (3) II. The origin, nature, and application of the rules of international law. Prerequisites: Government 1 ab and 51 ab. MWF, 9. Mr. Kleven.

**145. Political Aspects of Hemispheric Security.** (3) Contemporary national, social, and economic problems as they are affected by changing international conditions with special emphasis on American policies as they relate to the problems of security in the Western Hemisphere. Prerequisite: Government 51 ab. (Offered in 1942-43 and alternate years.) Mr. Jonas.

**151. American Diplomacy.** (3) (Same as History 151.)

**154. Latin-American Diplomacy.** (3) I. The diplomatic relations of the Latin-American republics. Prerequisite: Government 51 ab. Mr. Kleven.



**155. The Governments of Latin-America.** (3) II. A consideration of the form which government has taken in a number of Latin-American states including a study of governmental problems and policies in Latin-America. Prerequisite: Government 51 ab. Mr. Kleven.

**167. Ancient and Medieval Political Theory.** (3) I. Political thought from the Greek period to modern times. Prerequisite: Government 51 ab. MWF, 10. Mr. Jonas.

**168. Contemporary Political Theory.** (3) II. Socialistic theories; the theory of the fascist corporate state; theories of current governmental policies. Prerequisite: Government 51 ab. MWF, 10. Mr. Jonas.

**175. Constitutional Law.** (3) I. The Constitution of the United States as it has been interpreted by the courts. Prerequisite: Government 51 ab. MWF, 11. Mr. Kleven.

**176. Government and Business.** (3) II. The political effects of business enterprising and governmental intervention. Prerequisite: Government 51 ab. MWF, 11. Mr. Kleven.

**191. Public Personnel.** (2) Study of the principles of the civil service systems of the United States and of state governments. Prerequisite: Government 51 ab. Mr. Donnelly.

**195 ab. Advanced Reading.** (2-2) I, II. Open to approved seniors and graduates in the department who wish to study in a field not adequately covered in courses available, or to students who plan to take Civil Service examinations and wish to round out their preparation. F, 3-5. Mr. Donnelly.

**197 ab. Seminar.** (2-2) I, II. Open to advanced students with approved qualifications. T, 3-5. Mr. Jonas.

#### For Graduates Only

**201 ab. Administrative Problems in State and Local Government.** (2-2) Arranged. Mr. Donnelly.

**205 ab. Political Parties and Electoral Problems.** (2-2) Arranged. Mr. Donnelly.

**251 ab. Problems.** (1-3 each semester) Arranged. Staff.

**261. Constitutional Problems in Public Administration.** (2) Arranged. Mr. Kleven.

**262. Problems in International Law and Relations.** (2) Arranged. Staff.

**300. Thesis.** (4-6) I, II. Arranged. Staff.

### DEPARTMENT OF GREEK AND LATIN

Professor Mitchell (Head).

#### GREEK

Courses in the Greco-Roman heritage are offered in the Departments of Anthropology, English, and History.

**1 ab. Elementary Greek.** (3-3) Yr. Credit suspended for 1 a until 1 b is completed.

**51 ab. Intermediate Greek.** (2-2) Xenophon's *Anabasis* and New Testament. (Not offered in 1942-43.)

#### LATIN

**Group Requirements.**—Courses in this department numbered below 100 count toward Foreign Language (Group II).

**Major Study.**—Twenty-four hours in courses numbered above 53 b. A comprehensive examination is required.

**Minor Study.**—Twelve hours in courses numbered above 53 b.

#### Primarily for Freshmen and Sophomores

**53 ab. Intermediate Latin.** (3-3) Selections from the various authors, especially Cicero and Ovid. Prerequisite: two units of high school Latin or equivalent. MWF, 11.

**55 ab. Virgil.** (3-3) Selections from Virgil with studies in prosody. Prerequisite: two units of high school Latin or equivalent. (Not offered in 1942-43.)

**71 ab. Latin Literature.** (3-3) Selections from various authors. Prerequisite: three years of Latin. TThS, 10. (Not offered in 1942-43.)

**81 ab. Latin Grammar and Composition.** (1-1) Prerequisite: three years of Latin. (Not offered in 1942-43.)

**91 ab. Latin Literature.** (3-3) Selections from various authors. Prerequisite: three years of Latin. TThS, 11.

#### For Juniors, Seniors, and Graduates

General prerequisite: twelve hours of college Latin. Courses numbered over 100 will not be offered in 1942-43.

**161 ab. Advanced Reading.** (3-3) One course each semester in one of the following fields of study: history (Livy or Tacitus); Roman novel and plebian Latin (Apuleius and Petronius); satire (Horace and Juvenal); biography (Suetonius); comedy (Plautus and Terence); philosophy (Lucretius); historical Latin grammar and syntax. TF, 4:20-5:40.

**195 ab. Problems.** (2-2) Original investigations in grammar, syntax, public and private life. Arranged.

#### For Graduates Only

Graduate work is offered only when circumstances permit. Arrangements should be made in advance.

**251 ab. Problems.** (2-2) Original investigations in syntax, semantics, dictionary making, supervised reading. Arranged.

**300. Thesis.** (4-6). I, II. Arranged.

#### DEPARTMENT OF HISTORY

Professors Hammond (Head), Dargan; Associate Professors Bloom, Sacks; Assistant Professors Reeve, Woodward; Graduate Fellows Greer, Naegle.

**Group Requirements.**—Courses in this department count toward Social Science (Group III).

**Major Study.**—Thirty hours, including 12 hours from courses 1 ab and 11 ab or 51 ab, and at least 15 hours numbered above 100. All students who intend to take upper division courses in history are urged to acquire a reading knowledge of at least one foreign language, preferably Spanish, before reaching the junior year.

**Minor Study.**—Eighteen hours, including 1 ab or 11 ab, and not less than 6 hours numbered above 100.

## Primarily for Freshmen and Sophomores

\*1 ab. **Western Civilization.** (3-3) The contributions of man from the earliest times. The course is organized into sections for additional work in historical geography, map work, and use of the library for historical study. MW, 11, and third hour arranged, or TTh, 8 and third hour arranged. Mr. Sacks.

\*11 ab. **History of the Americas.** (3-3) MWF, 8. Mr. Hammond.

\*31. **History of New Mexico.** (2) I, II. TTh, 11. Miss Woodward.

\*51 ab. **History of the United States.** (3-3) Since the Revolution. MWF, 10. Mr. Reeve.

71 ab. **History of England.** (3-3) MWF, 2. Mr. Reeve.

\*81 ab. **History and Political Institutions of Greece and Rome.** (3-3) MWF, 10. Mr. Mitchell.

## For Juniors, Seniors, and Graduates

General prerequisite: not less than 6 hours in History.

102. **Introduction to Historical Research.** (3) I. MWF, 2. Miss Woodward.

107 ab. **Modern and Contemporary Far East.** (2-2) The relation of western civilization with the Orient since 1850. Th, 7-9. Mr. Dargan.

122. **The Middle Ages.** (3) II. (Offered in 1943-44 and alternate years.) MWF, 2. Miss Woodward.

123. **The Renaissance and the Reformation.** (3) II. (Offered in 1942-43 and alternate years.) MWF, 2. Miss Woodward.

132. **England Under the Tudors and the Stuarts.** (3) I. TThS, 10. Mr. Reeve.

133. **England Since the Industrial Revolution.** (3) I. (Offered in 1942-43 alternately with History 135.) MWF, 8. Mr. Sacks

135. **Modern Britain.** (3) I. Imperial Britain. (Offered in 1943-44, alternately with History 133.) MWF, 8. Mr. Sacks.

141 ab. **Modern Europe, 1500-1914.** (3-3) Emphasis on social, economic, and intellectual developments on the continent. MWF, 9. Mr. Sacks.

146. **Europe Since 1914.** (3) II. MWF, 8. Mr. Sacks.

151. **American Diplomacy.** (3) I. MWF, 10. Mr. Dargan.

161 ab. **History of Hispanic America to Independence.** (3-3) MWF, 9. Miss Woodward.

163 ab. **Argentina, Brazil, Chile, and Neighboring States, Since Independence.** (2-2) (Offered in 1942-43 alternately with History 168 ab.) TTh, 2. Miss Woodward.

165 ab. **History of Spain.** (2-2) (Offered in 1943-44 and alternate years.) TTh, 9.

168 ab. **Mexico, the Caribbean States, and Northern South America, since Independence.** (2-2) (Offered in 1943-44 alternately with History 163 ab.) TTh, 2. Miss Woodward.

171. **The American Colonies.** (3) I. TThS, 8. Mr. Dargan.

173 ab. **Representative Americans.** (2-2) The great personalities who have influenced American history. TTh, 11. Mr. Dargan.

175. **The South in American History, 1763-1865.** (3) II. TThS, 8. Mr. Dargan.

178. **Recent History of the United States.** (3) II. The period since the Civil War. TThS, 10. Mr. Reeve.

179 ab. **Constitutional History of the United States.** (2-2) TTh, 9. Mr. Reeve.

181 ab. **History of the American Frontier.** (3-3) I: Spanish, French, and Dutch in North America. MWF, 11. Mr. Hammond. II: Anglo-American westward movement. MWF, 11. Mr. Dargan.

191 ab. **History of the Southwest.** (3-3) MWF, 10. Mr. Bloom.

#### For Graduates Only

201 ab. **Source Material in the Spanish Colonial Period.** (2-2) Training in the research use of manuscript sources. Reading knowledge of Spanish required. Arranged. Mr. Bloom.

251ab. **Seminar.** (2-2) In 1942-43, the subject will be Mexico in Revolution. M, 7-9. Mr. Hammond.

261 ab. **Research in Southwestern History.** (2-2) (Not offered in 1942-43.) S, 10-12. Mr. Dargan.

271 ab. **Seminar in American History.** (2-2) (Not offered in 1942-43.)

300. **Thesis.** (4-6) I, II. Arranged. Staff.

#### DEPARTMENT OF HOME ECONOMICS

Professor Simpson (Head); Assistant Professor Moser; Instructor Schroeder; Miss Campbell, Supervisor of Dining Hall.

**Group Requirements.**—Home Economics 53 abL counts toward Science and Mathematics (Group IV).

**Major Study.**—See curriculum under "College of Education." For requirements for a major in the College of Arts and Sciences, consult the Registrar or the dean of the college.

**Minor Study.**—Home Economics 1, 2 L, and 12 hours in courses numbered above 50, or 20 hours specified by the head of the Department of Home Economics.

The College of Education curriculum for students preparing to teach Home Economics is approved by the State Department of Vocational Education for the training of teachers of Homemaking who desire to teach in the federally-aided (Smith-Hughes) schools of the state.

#### Primarily for Freshmen and Sophomores

\*1. **Homemaking.** (3) I, II. Clothing selection—from the standpoint of artistic, economic, and hygienic standards. MWF, 8. Miss Moser.

\*2 L. **Homemaking.** (4) I, II. Food preparation and elementary nutrition; child development; personal problems. MWF, 8-10. Mrs. Simpson, Miss Schroeder.

†26. **Family Relationships.** (2) II. Arranged. Miss Schroeder.

†51L. **Clothing.** (3) I. Selection, purchasing and construction of clothing for the family. Prerequisite: Home Economics 1 and 2 L. (Offered upon sufficient demand.)

53 abL. **Food for the Family Group.** (3-3) I, II. Selection, preparation, and service of family meals. Section A: T, 1-4, Th, 2-4. Section B: T, 1, TTh, 10-12.

†57 L. **Equipment.** (3) I. The points of selection and methods of operation and care of household equipment. Lecture and laboratory arranged. (Offered upon sufficient demand.)

†58. **Child Development.** (3) II. Prerequisite: Home Economics 2 L. (Offered upon sufficient demand.)

63 abL. **Dressmaking.** (3-3) I: Pattern study; construction of clothing emphasizing fitting and techniques of finishing. II: Adaption of patterns; problems in designing. Prerequisites: Home Economics 1 and 2 L. MF, 2-4, W, 2. Miss Moser.

†65 abL. **Food Preparation and Serving.** (3-3) Selection and preparation of meals for the family group. Prerequisite: Home Economics 1 and 2 L. (Offered upon sufficient demand.)

†70. **The House.** (3) II. Its care, management, and furnishings, the family income; standards of living. (Offered upon sufficient demand.)

#### For Juniors and Seniors

104. **Nutrition.** (2) II. Primarily for physical education majors. The relation of nutrition to the health program; corrective diets.

107 L. **Advanced Foods.** (3) I. Food economics. Household marketing; food laws; history of cookery. Prerequisites: Home Economics 53 bL and Chemistry 55 abL. W, 4-8, M, 1. Mrs. Simpson.

109. **Home Furnishings.** (3) I. MWF, 10. Miss Moser.

127. [Dietetics] **Nutrition and Dietetics.** (4) I. Prerequisite: Home Economics 107 L. TWThF, 9. Mrs. Simpson.

128. **Family Relationships.** (3) I. (Offered in 1942-43 and alternate years.) MWF, 1. Miss Schroeder.

132. **Household Management.** (3) II. MWF, 3. Miss Schroeder.

133 L. **Home Management House.** (3) II. Six weeks' residence required. Prerequisite: Home Economics 132. Arranged. Miss Schroeder.

138. **Child Care and Development.** (4) I. Observation and assistance in the nursery school. MWF, 1, 1 hour lab. arranged. Miss Schroeder.

140. **Nursery School Methods and Administration.** (3) Observation and practical experience in guidance of children in nursery school, including an investigation of play materials, literature, music, equipment, records, housing, and budget.

196. **Home Economics Seminar.** (1-2) I, II. Arranged. Staff.

The following courses are primarily for students who wish to become dietitians.

150. **Large Quantity Cookery.** (3) I, II. Standard methods of food production in quantity; cost accounting; standardization of formulas; menu planning and table service. Prerequisites: Home Economics 107 L, 127. Arranged. Miss Campbell.

151. **Diet in Disease.** (3) I, II. A study of the adaptation of diet in the treatment of impaired digestive and metabolic conditions. Prerequisites: Home Economics 107 L, 127. Arranged. Mrs. Simpson.

157. **Quantity Purchasing.** (3) I, II. Factors influencing quality, grade, and cost of food products. Current procedures in large quantity purchasing. Prerequisites: Home Economics 107 L, 127, 150. Arranged. Miss Campbell.

159. **Institution Management.** (2) I, II. Principles of scientific management applied to institutional administration. Experience in the food service and housing facilities on the campus. Prerequisites: Home Economics 107, 132, 157. Arranged. Miss Campbell.

**INTER-AMERICAN AFFAIRS**

See Bulletin of The School of Inter-American Affairs.

**LATIN**

See Department of Greek and Latin.

**DEPARTMENT OF LIBRARY SCIENCE**

Professor Shelton (Head); Instructors Brindley, Blakey.

1. **Elementary Library Science.** (2) I, II. Introduction to library methods. Th, 2, laboratory arranged. Miss Shelton.

21. **Reference and Bibliography.** (2) SS. Aims to train students to use books easily and observe them critically through a study of the standard works of reference. Miss Brindley.

24. **Administration of School Libraries.** (2) SS. Equipment and administration of school libraries, loan work, statistics, budgets, methods and records for acquiring and caring for library materials and planning for school libraries. Miss Shelton.

25. **Books for Children and Young People.** (2) SS. A survey course covering lists, picture books and illustrators, fairy tales and legends, classics and standard titles. Mrs. Blakey.

**DEPARTMENT OF MATHEMATICS**

Professors Newsom (Head), Barnhart; Assistant Professor Larsen; Instructor Barker; Lecturer Rosenthal; Teaching Assistant Buck.

**Group Requirements.**—Courses in this department count toward Science and Mathematics (Group IV).

**Major Study (College of Arts and Sciences).**—Twenty-four hours in courses numbered above 50. Engineering 101 and Civil Engineering 55 L may be counted toward a major. Among the electives recommended for students specializing in mathematics are Business Administration 53 abL; Engineering 1 abL, and 2b; Civil Engineering 56 L; Philosophy 56; and Physics 41 ab, 101, and 102.

**Major Study (College of Education).**—Mathematics 1, 53 ab, 155 e; four courses chosen from 52, 117, 131 a, 141 a, 161, 175; and one more course numbered above 50. A list of recommended teachers is selected each year by vote of the mathematics faculty from those who complete the major.

**Minor Study.**—Twelve hours in courses numbered above 52.

**Note to Beginning Students in the College of Engineering.**—Students entering the College of Engineering who do not meet the entrance requirements in high school mathematics (3 units) will be required to take Mathematics A previous to the required courses in Mathematics. Credits earned in Math. A and 14 ab will not count toward graduation requirements in the College of Engineering.

**Primarily for Freshmen and Sophomores**

†A. **Review Mathematics.** (4) I. Review of high school algebra and geometry. Required of engineering students who do not have the prerequisites for Mathematics 18 ab. MWFS, 8. Mr. Barnhart.

†C. **Business Arithmetic.** (2) I. TTh, 8. Mr. Barnhart.

1. **College Arithmetic.** (2) I, II. The logical and historical background of arithmetic desirable in the training of teachers. TTh, 8. Miss Buck.

\*14 ab. **An Introduction to Mathematics.** (3-3) I, II. The mathematical method and the fundamental mathematical concepts. Recommended for students who do not expect to do extensive work in mathematics. Prerequisite: high school algebra, 1 unit. I: Section 14 aA, TThS, 8. Mr. Newsom. Section 14 aB, MWF, 8. Mr. Barker. Section 14 b, MWF, 2. Miss Buck. II: Section 14 aA, MWF, 10. Mr. Larsen. Section 14 aB, MWF, 2. Mr. Barnhart. Section 14 b, TThS, 8. Mr. Barker.

16. **Plane Trigonometry.** (3) I, II. Prerequisites: high school algebra,  $1\frac{1}{2}$  units; plane geometry, 1 unit. I: TThS, 8. Mr. Barker. II: TThS, 9. Mr. Barnhart.

17 ab. **Freshman Mathematics.** (3-3) Relation of mathematics and logic, the number system, exponents and logarithms, functions, probability, etc. Prerequisite: 3 units of high school mathematics. MWF, 8. Mr. Newsom.

18 ab. **Freshman Mathematics for Engineers.** (4-4) I, II. Foundation course for curricula in Engineering and for military (naval) science. Prerequisite: 3 units of high school mathematics. I: Section 18 aA, MWFS, 8. Mr. Larsen. Section 18 aB, MWFS, 8. Miss Buck. II: Section 18 a, MWFS, 8. Mr. Barnhart. Section 18 bA, MWFS, 8. Mr. Larsen. Section 18 bB, MWFS, 8. Miss Buck.

42. **Introduction to Statistical Methods.** (3) II. A basic course especially for students specializing in the social sciences. Some laboratory work required. Not recommended for mathematics majors. Prerequisite: 14 a or 17 a, or equivalent. MWF, 11. Mr. Larsen.

52. **Introduction to Astronomy.** (3) II. A descriptive course not requiring extensive knowledge of science or mathematics. Prerequisites: high school algebra, 1 unit; plane geometry, 1 unit. MWF, 8. Mr. Barker.

53 ab. [53,54]. **An Introduction to the Calculus.** (4-4) I, II. Differential and integral calculus. Prerequisites: Mathematics 17 b, 18 b, or equivalent. I: Section 53 aA, MTThF, 9. Mr. Barker. Section 53 aB, MTThF, 9. Mr. Newsom. Section 53 b, MWFS, 9. Mr. Barnhart. II: Section 53 a, MWFS, 9. Miss Buck. Section 53 bA, MTThF, 9. Mr. Barker. Section 53 bB, MTThF, 9. Mr. Newsom.

61. **Spherical Trigonometry and Practical Astronomy.** (3) I, II. Especially concerned with the mathematical foundation of navigation and related matters, as recommended by the Army Air Corps. Prerequisites: Mathematics 18 ab, or 14 a and 16, or equivalent. MWF, 11. Mr. Barker.

#### For Juniors, Seniors, and Graduates.

117. **Mathematics of Finance.** (3) I. Accepted for major credit by the Department of Economics. Prerequisite: Mathematics 14 a or 17 a, or equivalent. MWF, 11. Mr. Larsen.

131 ab. [131] **Mathematics of Statistics.** (3-3) Some laboratory work required. Prerequisite: Mathematics 53 b. TThS, 9. Mr. Larsen.

141 ab. **Mathematical Methods in the Sciences.** (3-3) The first semester emphasizes empirical formulas and graphical methods. The second semester considers differential equations and specialized studies in mechanics. Prerequisite: Mathematics 53 b. I: TThS, 11. Mr. Larsen. II: TThS, 11. Mr. Newsom.

- 155 e. **Teaching of Mathematics in High School.** (3) I. Same as Education 155 e. Accepted for credit in the College of Education only. MWF, 9. Mr. Newsom and Miss Buck.
161. **History of Mathematics.** (3) II. Mathematics in relation to other factors in history. Not accepted for graduate credit. Prerequisite: Mathematics 53 b. TThS, 10. Mr. Newsom and Miss Buck.
- 173 ab. [102, 113, 121] **Advanced Analytic Geometry.** (3-3) Prerequisite: Mathematics 53 b. I: MWF, 2. Mr. Barnhart. II: MWF, 11. Mr. Barnhart.
175. [104] **Foundations of Mathematics.** (3) I. A critical study of the construction of a mathematical system. Prerequisite: Mathematics 53 b, or consent of instructor. TThS, 10. Mr. Newsom.
- 178 ab. **Modern Algebra.** (3-3) Fields, groups, vectors, matrices, Boolean algebra, etc. Prerequisite: Mathematics 53 b. (Offered in 1942-43 and alternate years.) MWF, 10. Mr. Barker.
- 181 ab. [181] [Introduction or Modern Analysis] **Theory of Functions of a Real Variable.** (3-3) Prerequisite: Mathematics 53 b. MWF, 10. Mr. Rosenthal.
182. **Theory of Functions of a Complex Variable.** (3) II. Prerequisite: Mathematics 53 b. TThS, 8. Mr. Newsom.
- (The Seminars which follow are open only to qualified students, and permission to register requires the consent of the instructor and the department head.)
194. **Pro-Seminar in Statistics and Probability.** (2) I. Arranged. Mr. Larsen and Staff.
196. **Pro-Seminar in Geometry.** (2) II. Arranged. Mr. Barnhart and Staff.
197. **Pro-Seminar in the Foundations of Mathematics.** (2) II. Arranged. Mr. Newsom and Staff.
198. **Pro-Seminar in Function Theory.** (2) I. Arranged. Mr. Barker and Staff.

#### For Graduates Only

- 204 ab. **Seminar in Statistics and Probability.** (2-2) Arranged. Mr. Larsen and Staff.
- 206 ab. **Seminar in Geometry.** (2-2) Arranged. Mr. Barnhart and Staff.
- 207 ab. **Seminar in Algebra and Number Theory.** (2-2) Arranged. Mr. Barker and Staff.
- 208 ab. **Seminar in Function Theory.** (2-2) Arranged. Mr. Newsom and Staff.
300. **Thesis.** (3-3) I, II. Arranged. Staff.

#### DEPARTMENT OF MODERN LANGUAGES AND LITERATURES

Professors Kercheville (Head), Ortega; Associate Professor Campa; Assistant Professors Alexander, Behrendt, DeJongh, Duncan, Koch, Lopes; Teaching Assistant Wallis; Graduate Fellows Adams, Sciutto.

**Group Requirements.**—Courses in this department count toward Foreign Language (Group II), with the exception of Spanish 145 ab and courses in the Folklore Division:



**Placement Examinations.**—Any student presenting one or more units in Spanish and desiring to continue that language in courses below 100 must take the placement examination. On the basis of the result, students will be assigned to the proper courses and credit allowed upon successful completion.

### FRENCH

**Major Study.**—Twenty-four hours in courses numbered above 50. All French majors are urged to take a minor in Spanish or another modern language, or Latin.

**Minor Study.**—Twelve hours in courses numbered above 50.

#### Primarily for Freshmen and Sophomores

**\*1 ab. Elementary French.** (3-3) Yr. Credit for 1 a suspended until 1 b is completed. MWF, 11. Mr. DeJongh.

**\*51 ab. Intermediate French.** (3-3) Grammar, reading, and translation. Prerequisites: French 1 ab or two high school units. MWF, 8. Mr. DeJongh.

**75 ab. World Literature.** (3-3) (Same as English 75 ab.) Not allowed toward major or minor. MWF, 3. Mr. Mitchell, Mr. Lopes, Mr. Smith.

#### For Juniors, Seniors and Graduates

General Prerequisites: French 51 ab or equivalent.

**101 ab. Advanced Composition and Conversation.** (2-2) (Not offered in 1942-43.) TTh, 11. Mr. DeJongh.

**105 ab. French Literature of the Nineteenth Century.** (2-2) (Offered 1942-43 and in alternate years.) TTh, 11. Mr. DeJongh.

**121 ab. French Comedy.** (2-2) Writers of the classical period. (Offered 1942-43 and in alternate years.) MW, 9. Mr. DeJongh.

**151 ab. Survey of French Literature.** (3-3) (Not offered in 1942-43.) MWF, 9. Mr. DeJongh.

#### For Graduates Only

**251 ab. Problems in French Literature.** (2-2) Arranged. Mr. DeJongh.

### GERMAN

**Major Study.**—Not offered.

**Minor Study.**—Twelve hours in courses numbered above 50.

#### Primarily for Freshmen and Sophomores

**\*1 ab. Elementary German.** (3-3) Yr. Credit for 1 a suspended until 1 b is completed. Section A, MWF, 8. Mr. Koch. Section B, TThS, 11. Mr. Koch.

**\*51 ab. Intermediate German.** (3-3) Prerequisites: German 1 ab or two high school units. MWF, 11. Mr. Koch.

**61. Post-war Literature.** (3) I. (Offered 1942-43 and in alternate years.) MWF, 9. Mr. Koch.

**62. Scientific German.** (3) II. Reading in psychology, chemistry, mathematics, biology, and anthropology. (Offered 1942-43 and in alternate years.) TThS, 8. Mr. Koch.

**75 ab. World Literature.** (3-3) (Same as English 75 ab.) Not allowed toward minor. MWF, 3. Mr. Mitchell, Mr. Lopes, Mr. Smith.

**For Juniors and Seniors**

**151 ab. Survey of German Literature.** (3-3) (Not offered 1942-43). MWF, 9. Mr. Koch.

**ITALIAN**

No major or minor study offered in Italian.

**75 ab. Italian.** (3-3) Open to students who possess a reading knowledge of another Romance language, and graduate students, or upon permission of the instructor. (Offered 1943-44 and in alternate years and upon sufficient demand.)

**PORTUGUESE**

No major or minor study offered in Portuguese.

**75 ab. Portuguese.** (3-3) Open only to students who possess a reading knowledge of another Romance language, and graduate students, or upon permission of the instructor. (Offered 1943-44 and in alternate years.) MWF, 2. Mr. Lopes.

**151. Survey of Portuguese Literature** (3) I. (Offered 1942-43 and in alternate years.) MWF, 2. Mr. Lopes.

**157. Survey of Brazilian Literature** (3) II. (Offered 1942-43 and in alternate years.) MWF, 2. Mr. Lopes.

**SPANISH**

**Major Study.**—Twenty-four hours in courses numbered above 50, including Spanish 93 ab, 151 ab, and 153; and two years of college work in another modern language or Latin. All Spanish majors are urged to choose some other modern language as a minor. Other minors may be arranged on consultation with the Department head.

**Minor Study.**—15 hours in courses numbered above 50.

**Primarily for Freshmen and Sophomores**

**\*1 ab. Elementary Spanish.** (3-3) Yr. Credit for 1 a suspended until 1 b is completed. Section A, MWF, 8. Mrs. Wallis. Section B, MWF 11, Mr. Lopes. Section C, TThS, 11, Staff. Section D, (Open only to N. R. O. T. C. and Engineering students and stressing a technical vocabulary of particular use to the Armed Forces), MWF, 8. Staff. Trailer sections: (1b is offered Semester I and 1a is offered Semester II). Section A, MWF, 11. Mrs. Wallis. Section B, TThS, 11. Mrs. Wallis.

**\*41 ab. Intermediate Spanish.** (3-3) Not open to students who speak Spanish natively except upon the recommendation of the Placement Examination Committee or by arrangement with the head of the department. Section A, MWF, 11. Staff. Section B, TThS, 9. Mr. Duncan. Section C, MWF, 11. Staff. Trailer Section: 41 a is offered Semester II. MWF, 2. Mr. Duncan.

**\*43 ab. Elementary Spanish Conversation.** (1-1) To be taken only concurrently with Spanish 41 a and 41 b. Enrollment limited to 15 students of A or B standing. Section A, TTh, 11. Mr. Campa. Section B, MW, 11. Mr. Campa. Trailer section: 43 a, TTh, 2. Mr. Campa.

**\*45 ab. Beginning Spanish.** (3-3). Open only to students who speak Spanish natively or upon consent of the instructor. MWF, 11. Mr. Duncan.

**\*53 ab. Composition and Conversation.** (2-2) Prerequisite: 41 b. TTh, 10. Mr. Campa.

**\*55 ab. Intermediate Spanish.** (3-3) Open only to students who speak Spanish natively, except upon permission of the instructor. MWF, 11. Mr. Kercheville.

**\*61. Spanish Short Story.** (2) SS.

**75 ab. World Literature.** (3-3) (Same as English 75 ab.) Not allowed toward major or minor. MWF, 3. Mr. Mitchell, Mr. Lopes, Mr. Smith.

**\*91 ab. Introduction to Spanish Literature.** (3-3) Prerequisite: 41 ab or equivalent. MWF, 10. Mr. Lopes.

**\*93 ab. Intermediate Composition and Conversation.** (2-2) Required of all majors. Prerequisite: 53 ab or consent of the instructor. (Offered yearly beginning 1942-43.) MW, 10. Mr. Campa.

#### For Juniors, Seniors, and Graduates

**105 ab. Contemporary Spanish Literature.** (2-2) Prerequisite: 91 ab or equivalent. (Offered 1942-43 and in alternate years.) MW, 9. Mr. Ortega.

**107 ab. Spanish Novel.** (2-2) I: Beginning and development. II: Nineteenth and twentieth centuries. Prerequisite: 91 ab or equivalent. (Not offered 1942-43.) TTh, 11. Mr. Kercheville.

**121 ab. Modern Spanish Drama.** (2-2) I: Nineteenth century. II: Twentieth century. Prerequisite: 91 ab or equivalent. (Offered 1942-43 and in alternate years.) TTh, 11. Mr. Kercheville.

**131 ab. Advanced Composition and Conversation.** (2-2) Prerequisite: 93 ab or consent of instructor. TTh, 9. Mr. Ortega.

**145 ab. Ibero-American Civilization.** (2-2) Conducted in Spanish. MW, 11. Mr. Behrendt.

**151 ab. Survey of Spanish Literature.** (3-3) I: Before 1700. II: 1700 to the present. Required of all majors. Prerequisite: 91 ab or the equivalent. (Recommended to the students who finish 91 ab and wish to go on in Spanish Literature.) MWF, 10. Mr. Kercheville.

**153. Phonetics.** (2) II. Required of all majors. (Offered 1942-43 and in alternate years.) MW, 3. Mr. Duncan.

**155 m. The Teaching of Spanish in High School.** (Same as Education 155 m.) No credit as Spanish.

**157 ab. Survey of Spanish-American Literature.** (2-2) I: Prior to 1888. II: Contemporary letters. Required of candidates for the Master's degree. Prerequisite: 91 ab. (Not offered in 1942-43.) TTh, 2. Mr. Lopes.

**163 ab. Contemporary Spanish-American Literature.** (2-2) Open only to graduate students and especially qualified undergraduates. May be substituted for 157 ab for the Master's degree. (Offered in 1943-44 and in alternate years.) TTh, 2. Mr. Lopes.

**164 ab. The Golden Age.** (3-3) Prerequisite: 151 ab or consent of instructor. (Not offered in 1942-43.) MW, 9. Mr. Duncan.

**165 ab Cervantes.** (2-2). (Not offered in 1942-43). MW, 9. Mr. Kercheville.

**171. Lyric Poetry.** (3) I. From the troubadours to the present time. Required of candidates for the Master's degree. MWF, 1. Mr. Campa.

**For Graduates Only**

- 201 ab. History of the Spanish Language.** (2-2) Evolution of Spanish from Latin; readings from medieval texts. Required of candidates for the Master's degree. TTh, 3. Mr. Duncan.
- 205. Research Methods.** (2) I. Required of candidates for the Master's degree. MW, 3. Mr. Duncan.
- 251 ab. Seminar.** (2-2) Arranged. Staff.
- 300. Thesis.** (4-6) I, II. Arranged. Staff.

**FOLKLORE DIVISION****For Juniors, Seniors, and Graduates**

- 115. Southwestern Folklore.** (2) I. Special stress on New Mexico. (Not offered in 1942-43.) TTh, 8. Mr. Campa.
- 161. Folktales.** (2) II. In Europe and Spanish America. (Offered in 1942-43 and in alternate years.) MW, 1. Mr. Campa.
- 162. Folk Ballads and Songs.** (2) II. Spanish balladry in the New World, particularly in New Mexico. (Not offered in 1942-43.) TTh, 8. Mr. Campa.

**DEPARTMENT OF MUSIC**

Professor Robb (Head); Associate Professor Thompson; Assistant Professor Redman; Instructors Keller, Kunkel; Part-time Instructors Ancona, Burg, Valentin.

(See curricula under College of Fine Arts and College of Education.)

**Major Study** (College of Arts and Sciences).—Twenty-four hours of theoretical courses and twelve hours of applied music, including 5 ab, 95 ab, and 111 ab or 163 ab. Allowed only with permission of the Dean of the College of Arts and Sciences.

**Minor Study** (College of Arts and Sciences).—Sixteen hours of theoretical courses (including 5 ab) and four hours of applied music.

**Recitals and Public Exercises.**—All music majors and minors are required to attend all studio recitals and to take part in recitals and public exercises. Loss of credit may result from failure to observe this rule.

**Ensemble Requirement.**—All qualified students enrolled for music courses are required to enroll for one of the ensemble groups with the approval of the instructor.

Students are not permitted to perform in public without the consent of the Department.

**THEORETICAL COURSES**

- \*5 ab [3 ab, 13 ab] [Sight Singing and Ear Training, Harmony].** First Year Theory. (4-4) MTWTh, 8. Staff.
- \*11 abcd. Composition.** (2-2) May be taken only by permission of the instructor. By arrangement. Mr. Robb.
- \*55 ab. Instrumental Methods.** (2-2) Enrollment limited to 10. TTh, 3. Mr. Kunkel.

**63 ab. Advanced Ear Training and Sight Reading.** (2-2) Prerequisite: Music 5 ab. TTh, 9. Mrs. Thompson.

**\*95 ab [53 ab, 105 ab] [Harmony Written and Keyboard, Counterpoint]. Advanced Theory.** (4-4) Prerequisite: Music 5 ab. MTWTh, 2. Staff.

**107 ab. Orchestration.** (2-2) MW, 3. Mr. Kunkel.

**111 ab. History of Music.** (3-3) MWF, 11. Mrs. Ancona.

**152 ab. Form and Analysis.** (2-2) Prerequisite: Music 95 ab. TTh, 10. Mr. Robb.

**157 ab. Conducting: Instrumental and Vocal Ensemble.** (2-2) Enrollment limited to 10. Prerequisite: Music 5 ab. MWF, 3. Mr. Robb and Mrs. Thompson.

**163 ab. Music Appreciation.** (2-2) Recommended for all students. MW, 10. Mrs. Ancona.

**165 ab. Methods in Music Appreciation.** (1-1) To be taken in connection with Music 163 ab, or subsequently. Required of majors in Music Education. F, 10. Mrs. Ancona.

**190 abcd. Advanced Composition.** (2-2) May be taken only by permission of the instructor. By arrangement. Mr. Robb.

### APPLIED MUSIC

One half-hour lesson per week earns two hours credit per semester.

A student majoring in applied music is required to take two private lessons per week and to give a public recital during the junior and senior years.

Enrollment in applied music (piano, pipe organ, violin, voice, etc.) will be as follows:

**1 ab. Freshman Course.** (2-4 each semester) Arranged.

**51 ab. Sophomore Course.** (2-4 each semester) Arranged.

**101 ab. Junior Course.** (2-4 each semester) Arranged.

**151 ab. Senior Course.** (2-4 each semester) Arranged.

#### Piano (Staff)

Beginners in piano will find it difficult to complete a major.

**Accompanying and Group Piano Instruction** (Mrs. Thompson.)

#### Pipe Organ (Mrs. Ancona)

Students enrolling for pipe organ are required to have a foundation in piano.

#### Violin (Mr. Valentin)

Beginners in violin will find it difficult to complete a major.

#### Cello (Mr. Burg)

Beginners in cello will find it difficult to complete a major.

#### Orchestra and Band Instruments (Mr. Kunkel)

Courses in orchestra and band instruments are offered according to the demand.

**Voice (Mrs. Redman)****ENSEMBLE MUSIC**

A maximum of 4 hours may be counted toward a degree in all colleges except Fine Arts, in which 8 hours may be counted. Open to all students of the University.

**\*7 ab. Voice Ensemble.** (1-1) Class meets two hours per week. To be arranged. Mrs. Redman and Mrs. Thompson.

**\*21 ab. Men's Chorus.** (1-1) TTh, 4. Mrs. Thompson.

**\*23 ab. Women's Chorus.** (1-1) TThF, 1. Mrs. Redman.

**\*33 ab. Orchestra.** (1-1) MWF, 4. Mr. Robb.

**\*35 ab. Chamber Music Ensemble.** (1-1) Class meets two hours per week. To be arranged. Mr. Burg.

**\*41 ab. Band.** (1-1) W, 2, S, 1. Mr. Kunkel. (May be substituted for required Physical Education, see "Department of Physical Education.")

**SCHOLARSHIPS**

A limited number of scholarships in applied music in the form of free lessons is usually made available by the music faculty to students of ability where the need for scholarship aid can be demonstrated.

In addition, other scholarships in applied music and ensemble music may be provided by the University in its discretion under similar circumstances.

Eleven such scholarships were given during the school year 1941-42; in addition one scholarship was awarded by the Alumnae of Sigma Alpha Iota.

Application for such scholarship aid should be made as early as possible to the Head of the Music Department.

**DEPARTMENT OF NAVAL SCIENCE AND TACTICS**

Captain Will, U.S.N. (Head), Professor; Lieutenant Commander Brown, U.S.N., Associate Professor; Lieutenant Hardman, U.S.N., Assistant Professor; Lieutenant Harshman, U.S.N.R., Assistant Professor; Lieutenant Walker, U.S.N.R., Assistant Professor; Lieutenant (j.g.) Long, N.R.O.T.C. Medical Officer.

Credits in this Department count toward a degree in all colleges.

**Basic Course for Freshmen and Sophomores**

**\*1. Naval Science 1.** (4) I. Naval Administration, Navy Regulations, Naval History, Seamanship, Naval Communications, Military Drill. Prerequisite: Acceptance for enrollment. MWF, 9, 10, 11, or 1; TTh, 11. Staff.

**\*2. Naval Science 2.** (4) II. Seamanship, Naval Communications, Military Drill. Prerequisite: Naval Science 1. MWF, 9, 10, 11; or 1, TTh, 11. Staff.

**\*51. Naval Science 51.** (4) I. Navigation, Naval Communications, Military Drill. Prerequisite: Naval Science 2, Mathematics 16 or its equivalent. MWF, 9, 10, 11, or 1; TTh, 11. Staff.

**\*52. Naval Science 52.** (4) II. Navigation, Naval Communications, Military Drill. Prerequisite: Naval Science 51. MWF, 9, 10, 11, or 1; TTh, 11. Staff.

**Advanced Course for Juniors and Seniors**

**101. Naval Science 101.** (4) I. Ordnance, Naval Engineering, Naval Communications, Military Drill. Prerequisite: Acceptance for course and Naval Science 52. (Offered in 1943-44.)

**102. Naval Science 102.** (4) II. Gunnery, Naval Electricity, Naval Communications, Military Drill. Prerequisite: Naval Science 101. (Offered in 1943-44.)

**151. Naval Science 151.** (4) I. Aviation (ground work), Naval Communications, Military Drill. Prerequisite: Naval Science 102. (Offered in 1944-45.)

**152. Naval Science 152.** (4) II. International Law, Military Law, Naval Leadership, Naval Reserve Force, Naval Communications, Military Drill. Prerequisite: Naval Science 151. (Offered in 1944-45.)

**DEPARTMENT OF PHILOSOPHY**

Professor Knode (Head); Assistant Professor Alexander; Lecturer Starrels.

**Group Requirements.**—Courses in this department count toward Social Science (Group III).

**Major Study.**—Philosophy 40, 56, 141 ab, and nineteen additional hours of which at least four must be numbered above 100.

**Minor Study.**—Philosophy 40, 56, 141 ab, and 4 additional hours.

**Note:** Students planning to complete a major or a minor in philosophy are urged to take many broad fundamental courses, and should consult members of the department as early as possible concerning their selection.

**Primarily for Freshmen and Sophomores**

**\*40. Introduction to Philosophy.** (2) I, II. The function of philosophy and its approach to human problems; the relation of philosophy to science. TTh, 11. Mr. Knode, Mr. Alexander.

**\*53. Ethics.** (2) I. Problems of human values, individual and social. TTh, 10. Mr. Alexander.

**\*55. Thought and Expression.** (3) I. Introduction to linguistics and logical expression. Recommended as preparatory to Philosophy 56. MWF, 10. Mr. Alexander.

**56. Logic.** (3) II. Argument and clear thinking, and the rules of inference. MWF, 10. Mr. Alexander.

**64. Philosophy and Religion.** (2) II. Their relationships as exemplified in Christianity and Western Philosophy. TTh, 11. Mr. Knode.

**72. [48, 178] [American Thought, Contemporary Conflicts of Ideas]. Conflicts in American Thought.** (3) II. Present-day ideological strife in philosophy, religion, and education. MWF, 11. Mr. Knode.

**74. Philosophy of Science.** (2) I. Theory and criticism of science and the scientific method. TTh, 11. Mr. Alexander.

**81. History of Religions.** (3) I. A survey of the principal historical religions with special reference to their canonical literature. MWF, 8. Mr. Starrels.

**82. Growth of Religious Ideas.** (3) II. An examination of some leading religious ideas, tracing their development in primitive and historical traditions. MWF, 8. Mr. Starrels.

**For Juniors, Seniors, and Graduates**

**102. Aesthetics.** (2) II. Theories of the systematic interpretation of beauty illustrated from the fine arts. (Not offered in 1942-43.) TTh, 2. Mr. Alexander.

**123. Hispanic Thought.** (2) II. A philosophical interpretation of the Spanish mind. (Offered in 1942-43 alternately with Philosophy 102.) TTh, 2. Mr. Alexander.

**141 ab. Survey of Philosophy.** (3-3) Study of the philosophies that have been most influential in Western thinking. Prerequisite: Philosophy 40. MWF, 2. Mr. Alexander.

**176. Contemporary Philosophy.** (3) I. Present-day philosophic thought, with special reference to the works of Whitehead and Dewey. Prerequisite: Philosophy 40. MWF, 11. Mr. Knode.

**191 ab. General Linguistics and Theory of Language.** (2-2) (Offered upon sufficient demand.) Th, 3-5. Mr. Alexander.

**195 ab. Epistemology and Advanced Logic.** (2-2) Basic problems of logical thinking and the scientific method. Prerequisites: Philosophy 51 and preferably Mathematics 104. (Offered upon sufficient demand.) Th, 3-5. Mr. Alexander.

**For Graduates Only**

**241 ab. Periods of Special Philosophical Significance.** (2-2) Plato and Aristotle; Descartes, Spinoza, and Leibniz; Locke, Berkeley, and Hume; Kant, Fichte, and Hegel; or others to be chosen by the group. Prerequisite: Philosophy 141 ab. Arranged. Mr. Alexander.

**251 ab. Problems.** (2-2) Arranged.

**300. Thesis.** (4-6) I, II. Arranged.

**DIVISION OF PHYSICAL EDUCATION AND HEALTH**

Associate Professor White (Head); University Physician C. K. Barnes; Virginia Minter, R. N.

**DEPARTMENT OF PHYSICAL EDUCATION**

**Physical Education for Men**—Professors Johnson (Head), Shipkey; Associate Professor White; Instructors C. K. Barnes, W. Barnes, Dolzadelli, Zielasko.

**Physical Education for Women**—Instructor Gleaves (Head); Assistants Sanchez, Thompson, West.

Credit for 4 semester hours in activities courses in physical education must be completed by each student under the age of 30 years. Not more than 1 hour may be earned in a semester, except by physical education majors and minors. Not more than 4 semester hours of required physical education may count toward a degree. Men may substitute participation in major sports for required physical education for that part of the semester during which they are actively engaged in a sport, provided that they are enrolled in the section designated by the department head. Physical education majors and minors should not substitute their participation in sports for the required physical education classes.

The instructor in each course should be consulted concerning proper clothing or uniform. Regulation blue uniforms are required for women; regulation gray uniforms for men.



For swimming a health certificate is required of each enrollee. In certain sections of physical education courses, several weeks of swimming will be required.

There is a special fee of \$3.00 per semester for fencing, \$3.00 per semester for golf, and \$10.00 per semester for equitation.

In physical education four excused absences will be allowed, but no credit will be granted in case there are more than four absences.

Band credit may be substituted for physical education credit.

Only one hour credit shall be allowed for any one of the required activity courses.

**Major Study.**—A major in physical education is offered only in the College of Education. Students are required to complete all courses listed in the curriculum. Men must participate in at least one major sport.

**Minor Study.**—A minor in physical education is offered only in the College of Education. Men students are required to complete all courses listed in one of the curricula, and to participate in a major or minor sport. Women students are required to complete 12 hours, not including required physical education courses.

**\*Activity Courses for Men and Women.** (1-1) Required of all freshmen and sophomores. Several sections offered each semester. Physical education majors and minors should consult the head of the department concerning required sections.

#### Section:

1. Men I, II. Tumbling, Gymnastics, Apparatus. MWF, 11. Mr. Dolzadelli.
1. Women I, II. Rhythms. I: TThS, 8. II: TThS, 10. Mrs. West.
2. Men I, II. Boxing, Wrestling, Combatives. MWF, 9. Mr. Johnson.
2. Women I, II. Swimming, Archery, Recreational Games. TThS, 9. Miss Thompson.
3. Men I. Speedball, Basketball. MWF, 10. Mr. Dolzadelli.
4. Men I. Speedball, Basketball. MWF, 2. Mr. Johnson.
5. Men II. Basketball, Softball. MWF, 10. Mr. Johnson.
5. Women I, II. Tennis, Gymnastics, Badminton. I: A, TThS, 8; B, TThS, 10. II: TThS, 10. Miss Sanchez.
6. Men I. Archery, Volleyball. MWF, 9. Mr. Dolzadelli.
6. Women I. Swimming, Tennis, Recreational Games. TThS, 9. Miss Sanchez.
7. Men II. Volleyball, Archery. MWF, 9. Mr. Dolzadelli.
8. Men I, II. Badminton, Recreational Sports. MWF, 8. Mr. Zielasko.
9. Women I, II. Plays and Games, Archery, TThS, 8. Miss Thompson.
10. Men II. Recreational Sports, Softball. MWF, 2. Mr. Dolzadelli.
11. Men I. Volleyball, Badminton. MWF, 3. Mr. Zielasko.
12. Men II. Volleyball, Track, Field, Softball. MWF, 3. Mr. Zielasko.
13. Men I, II. Tennis. MWF, 11. Mr. Zielasko.
14. Women I. Swimming, Speedball, Tumbling. TThS, 11. Miss Sanchez.

15. Women II. Basketball, Baseball. TThS, 8. Miss Sanchez.
  18. I, SS. Folk Dancing. TThS, 9. Mrs. Gleaves.
  21. II, SS. American Country Dances. TThS, 9. Mrs. Gleaves.
  23. Men I, II. Fencing (Beginning). MWF, 4. Staff.
  23. Women I. Fencing (Beginning). TTh, 4-6. Staff.
  24. Men I, II. Fencing (Advanced). MWF, 4. Staff.
  25. I, II, SS. Equitation (Beginning). MWF, 3. SS, MW, 3-5. Mrs. West.
  26. I, II, SS. Equitation (Intermediate). MWF, 4. SS, TTh, 3-5. Mrs. West.
  27. Men, Women, I, II, SS. Golf, MWF, 3; MWF 4. SS, Section A. MTThF, 7; Section B, MTThF, 3. Staff.
  28. I, II, SS. Equitation (Advanced). TTh, 3-4:30. Mrs. West.
  29. Women I, II. Indoor Activities, Tennis. I; TThS, 10. Mrs. West. II: Section A, TThS, 9; Section B, TThS, 11. Miss Sanchez.
  30. I, II. Corrective Health Study. F, 4, 2 hours arranged. Dr. Barnes.
  32. Men I, II. Major Sports Participants. Daily, 4-6. Staff.
  33. Men SS. Swimming (Beginning). MTThF, 10. Mr. Dolzadelli.
  33. Women SS. Swimming (Beginning). MTThF, 2. Mrs. West.
  34. Women SS. Swimming (Intermediate). MTThF, 3. Miss Thompson.
  36. SS. Recreational Games. MTThF, 10. Miss Thompson.
  37. SS. Swimming (Advanced) and Life Saving. MTThF, 11. Miss Thompson and Mr. Dolzadelli.
- Academic Courses for Physical Education Majors and Minors**
- \*22 L. Men. Theory and Practice of Basketball. (2) II. TTh, 10, and 2 hours arranged. Mr. Johnson.
- \*40 L. Men. Gymnastic Technique and Practice. (2) I. Fundamental techniques of gymnastics and athletic activities, field ball, games and aquatics, apparatus, gymnastics, tumbling. T, 2-4. Mr. Zielasko.
- \*41 L. Men. Sports Technique and Practice. (2) II. Fundamental techniques of additional gymnastics and athletic activities, diamond and court ball games and individual sports, boxing, gymnastic drills, games. Prerequisite: P.E. 40 L. Th, 2-4. Mr. Zielasko.
42. Women. Fundamentals of Physical Education. (1) II. Required course for freshman major students. TThS, 10. Mrs. Gleaves.
- \*61 L. Men. Theory and Practice of Football. (2) I. TTh, 8 and 2 hours arranged. Staff.
- \*62 L. Men. Theory and Practice of Track and Field Athletics and of Baseball. (2) II. TTh, 11, and 2 hours arranged. Mr. Johnson.
65. Women.[65 ab] [Sophomore Technique] Sports Technique and Practice. (2) II. Baseball, basketball, speedball, tennis. Discussion of game techniques, rules, equipment, officiating. TThS, 8, and W, 9. Prerequisite: Activity course in each sport. Miss Sanchez.
72. Health Education. (2) I. (Same as Education 72.) Objectives, problems, methods, and materials of health instruction. T, 7-9 p. m. Mr. White.
- 101 [101 & 157]. Principles, History, Methods of Physical Education. (3) I. TThS, 11. Mrs. Gleaves.
- 102 L. Men. Theory and Practice of Combative Sports: Boxing, Wrestling, Fencing, etc. (2) II. TTh, 9, and 2 hours arranged in regular physical activity courses. Mr. Johnson.

104. Nutrition. (2) II. (Same as Home Economics 104).
- 104 L. Human Anatomy and Kinesiology. (4) I. Prerequisites: Biology 2 L and 36. (Offered 1943-44, and alternate years.) MWF, 2-4. Dr. Barnes.
- 105 ab. Women. Recreational Leadership. (3-3) I, II. (An elective course for men.) MWF, 10. Mrs. Gleaves.
- 107 [107 ab] [Junior Technique]. Teaching Methods in Folk Dancing. (2) I. Prerequisite: Activity course in folk dancing. TThS, 9, and F, 9. Mrs. Gleaves.
123. Women. Organization of Plays and Games by Ages. (2) II. (An elective course for men.) TThS, 8, and F, 11. Miss Thompson.
- 135 L. Corrective Physical Education. (2) I. Abnormalities of spine, feet and posture. Prerequisites: Physical Education 104 L and 167. MW, 8, and 2 hours arranged in the restrictive groups of regular physical education classes. Miss Thompson.
136. Men. Theory of Coaching, Strategy, and Tactics. (2) I. Prerequisites: Physical Education 22, 61, 62, and Home Economics 104. MW, 11. Mr. Johnson.
155. Women. [Senior Technique]. Sports Technique and Practice. (2) I. Swimming, archery, recreational games. Prerequisite: Activity course in each sport. TThS, 9, and 1 hour arranged. Miss Thompson.
156. Women. [Senior Technique] Dance Theory. (2) II. History and principles of dance form. Methods of directing various types of dancing in an educational program. TThS, 10, and 1 hour arranged. Mrs. Gleaves.
161. First Aid. (2) I, SS. Emergency treatment for shock and injuries. TTh, 2. SS, MTThF, 9. Mr. Dolzadelli.
- 162 L. Men. [Theory and Practice of Intramural Athletics and Various Minor Sports]. Theory and Practice of Intramural Athletics and Community Recreation. (3) II. TThS, 10, and 2 hours arranged. Mr. Zielasko.
167. Physical Diagnosis and Tests and Measurements. (3) II. Technique of determining physical fitness for participation in athletics. TThS, 11. Dr. Barnes.
172. Organization and Administration of Physical Education. (3) II. MWF, 8. Mr. Johnson.
- 183 abL. Men. Practice Coaching. (2-2) I, II. MW, 10, and 2 hours ranged. Mr. White and Staff.
185. Administration of a Health Program. Personal and community hygiene. (2) II. MW, 9. Mrs. Gleaves.
186. Men. Problem Methods in Physical Education. (2) II. Arranged. Mr. White and Staff.

#### DEPARTMENT OF PHYSICS

Professor Workman (Head); Associate Professor Holzer; Instructors Breiland, Pelsor, and Kraft.<sup>1</sup>

**Group Requirements.**—Courses in this department count toward Science and Mathematics (Group IV).

**Major Study.**—Eighteen hours in courses above 100. Students interested in physics as a profession are required to take a comprehensive examination before graduation.

**Minor Study.**—Eight hours in courses above 100.

<sup>1</sup> Resigned.

**Minor Study in Meteorology.**—Physics 101 and 116 ab or 117 abL.

**Primarily for Freshmen and Sophomores**

**15. Descriptive Meteorology.** (3) I. An elementary treatment of the problems of the physics of the atmosphere. MWF, 9. Mr. Workman.

**41 ab. General Physics.** (3-3) The elements of mechanics, properties of matter, heat, electricity, magnetism, sound and light. Prerequisites: algebra and plane geometry. TThS, 10. Mr. Workman, Mr. Holzer, Mr. Pelsor.

**41 abL. General Physics Laboratory.** (1-1) Credit suspended if student fails Physics 41 ab. Co-requisite: Physics 41 ab. TWTh or F, 1-4. Mr. Pelsor.

**For Juniors, Seniors, and Graduates**

**101. Heat and Radiation.** (3) I. The theory of heat and temperature radiation with an introduction to thermodynamics. Prerequisites: Physics 41 b and Mathematics 53 b. MWF, 8. Mr. Workman.

**102. Optics.** (3) II. Geometrical and physical. Prerequisite: Physics 41 b. (Offered in 1942-43 and alternate years.) TThS, 8. Mr. Workman.

**102 L. Optics Laboratory.** (1) II. Co-requisite: Physics 102. T, 1-4. Mr. Workman.

**105 L. Laboratory Technique.** (2-4) I, II. A study of techniques associated, for the most part, with research problems in progress. Prerequisite: Physics 41 b. Arranged. Staff.

**111 ab. Electricity and Magnetism.** (3-3) I. General theory of electrostatics, magnetostatics, direct current phenomena, and electromagnetic induction. Prerequisites: Physics 41 b and Mathematics 53 b. MWF, 10. Mr. Holzer. II. Theory of alternating current circuits, and electromagnetic transients. Prerequisite: Physics 111 a. (Offered in 1943-44 and alternate years.) MWF, 8. Mr. Holzer.

**111 aL. Electricity and Magnetism Laboratory.** (1-2) I. Co-requisite: Physics 111 a. MT, 1-4. Mr. Pelsor.

**113. Climatology.** (3) (See Anthropology 113.)

**116 ab. Dynamic Meteorology.** (3-3) Prerequisites: Physics 41 b and Mathematics 53 b. TThS, 11. Mr. Holzer.

**117 abL. Synoptic Meteorology.** (3-3) Weather forecasting and analysis. Prerequisite: Approval of staff. MTW, 3-6. Staff.

**142. Analytic Mechanics.** (3) II. A mathematical presentation of kinematics, dynamics and statics. Prerequisites: Physics 41 b and Mathematics 53 b. (Offered in 1943-44 and alternate years.) TThS, 9. Mr. Workman.

**191. Contemporary Physics.** (3) I. A survey of selected subjects in the fields of kinetic theory, thermodynamics, electromagnetic theory and quantum theory. Prerequisite: approval of staff. MWF, 9. Staff.

**192. Contemporary Physics.** (3) II. A survey of selected subjects in the fields of ionization, penetration, radiation, and nuclear structure. Prerequisite: approval of staff. MWF, 9. Staff.

**For Graduates Only**

**251. Problems.** (2-4) I, II. Arranged. Staff.

**300. Thesis.** (4-6) I, II. Arranged. Staff.

## DEPARTMENT OF PSYCHOLOGY

Professors Haught (Head), Peterson; Associate Professor DuBois; Graduate Fellow Zeller.

**Group Requirements.**—Psychology 1 abL, 51 L, and 121 abL count toward Science and Mathematics (Group IV). In the College of Arts and Sciences, courses 31 and 32 count toward Social Science (Group III.)

**Major Study.**—College of Arts and Sciences: Twenty-four hours in courses numbered above 50.

College of Education: Twenty-seven hours in courses numbered above 50.

Clinical Psychology (either college): Twenty-four hours in courses numbered above 50.

**Minor Study.**—College of Arts and Sciences: Twelve hours in courses numbered above 50.

College of Education: Fifteen hours in courses numbered above 50.

## Primarily for Freshmen

**\*1 abL. General Psychology.** (3-3) Yr. Credit suspended for 1 aL until 1 bL is completed. Course 1 aL is prerequisite to 1 bL. Lecture: TTh, 10. Laboratory: Section A, M, 1-3. Section B, W, 2-4. Section C, F, 1-3. Mr. Peterson.

**\*31. Mental Hygiene.** (3) I. Factors in mental health, and the influences tending toward the normal. MWF, 8. Mr. DuBois.

**\*32. Psychology of Personality.** (3) II. The development and nature of personality and character. TThS, 8. Mr. DuBois.

## Primarily for Sophomores

**\*51 L. General Psychology.** (3) I, II. An introductory course. Not open to those who have credit for Psychology 1 abL. I: Lecture TTh, 9. Laboratory: Section A, M, 9. Section B, W, 9. Section C, F, 9. Section D, S, 9. II: Lecture: TTh, 10. Laboratory: Section A, W, 10. Section B, S, 10. Mr. Haught, Mr. Peterson.

**\*52. Fields of Psychology.** (3) II. Systematic schools of psychology, and other topics. Prerequisite: Psychology 1 abL or 51 L. TThS, 9. Mr. Peterson.

**\*54. Educational Psychology.** (3) II. Introductory course. Limited to sophomores. Prerequisite: Psychology 1 abL or 51 L. TThS, 9. Mr. DuBois.

**\*56. Applied Psychology.** (3) I. Applications of psychology to business and the professions. Prerequisite: Psychology 1 abL or 51 L. TThS, 11. Mr. DuBois.

## For Juniors, Seniors, and Graduates

**101. Social Psychology.** (3) II. The behavior of individuals as influenced by other human beings. Prerequisite: Psychology 1 abL or 51 L. TThS, 10. Mr. Haught.

**103. Abnormal Psychology.** (3) I. Prerequisite: Psychology 1 abL or 51 L. TThS, 10. Mr. Haught.

- 121 abL. **Experimental Psychology.** (3-3) Sensory and motor processes; learning and the higher mental processes. Prerequisite: Psychology 1 abL or 51 L. TTh, 1-4. Mr. Peterson.
181. **Educational Tests and Statistics.** (3) I. Prerequisite: Psychology 1 abL or 51 L. MWF, 10. Mr. Haught.
183. **Educational Psychology.** (3) I, II. Advanced course. Prerequisite: Psychology 1 abL or 51 L. I: MWF, 11. II: TThS, 11. Mr. Haught.
185. **Mental Measurements.** (3) II. Prerequisite: Psychology 1 abL or 51 L. MWF, 10. Mr. Haught.
186. **Psychology of Exceptional Children.** (3) SS. Intellectual and emotional deviations, with emphasis on the psychology of social and educational guidance. Prerequisite: Psychology 1 abL or 51 L. Mr. DuBois.
187. **Child Psychology.** (3) I. The principles of human behavior in infancy, childhood, and adolescence. Prerequisite: Psychology 1 abL or 51 L. TThS, 9. Mr. DuBois.
188. **Classroom Tests.** (2) II. Construction, evaluation, and uses of objective tests. Arranged. Mr. Haught or Mr. DuBois.
- 190 L. **Clinical Psychology.** (3) II. Clinical practice in the administration of psychological tests; round table discussions of problem cases. Prerequisites: Psychology 1 abL or 51 L, and 185. Seniors or graduates may take 185 at the same time as 190 L. Arranged. Mr. DuBois.
193. **Animal Psychology.** (3) I. A comparative study of heredity, maturation, learning, and the higher mental processes as revealed in various animals. Prerequisite: Psychology 1 abL or 51 L. TTh, 1-2:20. Mr. Peterson.
- 193 L. **Animal Psychology Laboratory.** (2) I. Arranged. Mr. Peterson.
196. **Physiological Psychology.** (3) II. Correlation of behavior and structure, with emphasis on the nervous system. Prerequisite: Psychology 1 abL or 51 L, and 193. TTh, 1-2:20. Mr. Peterson.
- 196 L. **Physiological Psychology Laboratory.** (2) II. Arranged. Mr. Peterson.
198. **History of Psychology.** (3) II. Prerequisite: Psychology 1 abL or 51 L. MWF, 9. Mr. Peterson.

#### For Graduates Only

251. **Problems.** (2-3) I, II. Arranged. Staff.
300. **Thesis.** (4-6) I, II. Arranged. Staff.

#### DEPARTMENT OF SOCIOLOGY

Associate Professors Walter (Head), M. Miller; Assistant Professor Behrendt; Instructor Hutchinson.

**Group Requirements.** Courses in this department count toward Social Science (Group III).

**Major Study.** Thirty hours including eighteen hours in courses numbered above 100. Course 181 ab is required of all seniors majoring in sociology. Economics 140, Government 121, and Psychology 101 are accepted for sociology credit from students majoring in sociology.

**Minor Study.** Eighteen hours, including nine hours numbered above 100.

**Primarily for Freshmen and Sophomores**

\*2. **Social Problems.** (3) I, II, Section A, TThS, 8. Mr. Walter; Section B, MWF, 11. Mr. Hutchinson; Section C, MWF, 9. Mrs. Miller. II. MWF, 11. Mr. Hutchinson.

\*4. **Principles of Sociology.** (3) II. Section A. TThS, 8. Mr. Walter; Section B, MWF, 9. Mrs. Miller.

51. **The Family.** (3) I. The Family as a type institution. History of family organization and mores. TThS, 10. Mr. Hutchinson.

65. **Social Anthropology.** (2) I. Primitive society. A study of types and areas. T, 7-9. Mrs. Miller.

66. **Culture Growth.** (3) II. Culture diffusion, independent origin, criteria of culture growth. Prerequisite: Sociology 65 or permission of instructor. MWF, 11. Mrs. Miller.

71. **Social Control.** (3) I. Prerequisite: Sociology 2 and 4, or 65 and 66, or equivalent. MWF, 10. Mrs. Miller.

72. **Social Pathology.** (3) II. Diagnosis, remedial and prevention programs in connection with functional failures of society. Prerequisite: Sociology 51 or 71. MWF, 1. Mr. Walter.

**For Juniors, Seniors and Graduates**

105. **Rural Sociology.** (3) I. Special reference to New Mexico. TThS, 11. Mr. Hutchinson.

106. **Urban Sociology.** (3) II. Prerequisite: Sociology 105, or permission of instructor. TThS, 11. Mr. Hutchinson.

109. **Criminology.** (3) I. Prerequisite: Sociology 71 or equivalent. MWF, 1. Mr. Walter.

110. **Juvenile Delinquency.** (2) II. T, 7-9. Mr. Hutchinson.

111ab. **Social Problems of Latin America.** TThS, 9. Mr. Behrendt.

115. **Community Organization.** (2) I. Th, 7-9. Mr. Walter.

163. **Early Social Thought.** (3) I. Prerequisites: Sociology 2 and 4, or 65 and 66 or equivalents. MWF, 2. Mr. Walter.

164. **Contemporary Social Thought.** (3) II. Prerequisite: Sociology 163 or permission of instructor. MWF, 2. Mrs. Miller.

181ab. **Senior Seminar.** (3-3) T, 8 and W, 3-5. Mrs. Miller.

195. **Population Problems.** (3) I. Prerequisites: Sociology 2 and 4 or 65 and 66. MWF, 9. Mr. Hutchinson.

196 **Race and Migration Problems.** (3) II. Prerequisite: Sociology 195. MWF, 9. Mr. Walter.

**For Graduates Only**

201ab. **Research Methods.** (3-3) MWF, 4:15. Staff.

251ab. **Problems.** Arranged. Staff.

300. **Thesis.** (4-6) I, II. Staff.

## DEGREES CONFERRED

June Second, Nineteen Hundred Forty-One

### COLLEGE OF ARTS AND SCIENCES

#### Bachelor of Arts

	Major	Minor
Robert J. Barrett	Government & Citizenship	Economics
June Ruth Bishop	English	Sociology
Ernst H. Blumenthal, Jr.	Anthropology	Geology
Howard C. Bratton	Government & Citizenship	Economics
Robert B. Buckley	Biology	Chemistry
Eva L. Butler	Anthropology	English
Margaret Nancy Christy	Sociology	Government & Citizenship
Elizabeth Dundas Clark	English	Music; Psychology
Paul D. Colvin	Art	History
Evangeline De Baca	Spanish	French; Government & Citizenship; Sociology
Morris Diefendorf	Government & Citizenship	Spanish
William W. Dwire	Economics; Psychology	
Gretchen Helen G. Hayes	Anthropology	Biology
Ben Hernandez	Government & Citizenship	History
Don Hill	Business Administration	Sociology
†*Margaret Mary Hoppercraft	English	History; French
†Virginia Allan Horton	History	Biology; French
Val Jean Hudson	Economics	English
Nicholas Andy Jeantet	Government & Citizenship	Spanish
George H. Johnston	Government & Citizenship	History
Mildred Lodter Johnston	History	Chemistry
John R. Kirk	Philosophy	English
Eugene I. Knezevich	Anthropology	Philosophy
Dorothy Louise Kyte	Anthropology	History
Andrew Liebert	Spanish	History
Ruth Irene Looney	English	Home Economics
Eugene Lusk	Government & Citizenship	English
Betty Jane Milam	History	Biology
Nelle Frances Minnick	History	English
Anita M. Noble	Spanish	English
John McDonald Orr	Economics	History
Cyrus Stearns Perkins	Government & Citizenship	Economics
Haden Pitts	Business Administration; Government & Citizenship	
Olga Francis Ponsford	English	History
Jeanne Quebedeaux	Mathematics	French
Allan Russell Rogers	English	History
Dan K. Sadler, Jr.	Government & Citizenship	Economics
I. E. Shahan	Sociology	English; Psychology
Clifton Shordiche	Government & Citizenship	History
Herschel Roy Snodgrass	Physics	Chemistry; Mathematics
Sam Sugg	Government & Citizenship	English
James R. Toulouse	Government & Citizenship	Economics
Emma Lou Van Deusen	Anthropology	Geology; Sociology
Fred Warbois	Economics; Govt. & Citizenship	
George A. Watts	Art	History
Katherine Zehner	Sociology	Psychology

#### Bachelor of Science

Emery C. Arnold, Jr.	Geology	Economics
Herbert A. Bailey	Biology; Chemistry	
Miles Howard Berliner	Geology	Chemistry
Dave Dennis	Mathematics	Government & Citizenship
Kline Evans	Biology	Chemistry; Psychology
†*Clifford D. Firestone	Mathematics	Physics
†*Julia K. Fritz	Biology; English	
Earl B. Gerheim	Biology; History	
Conrado Palacios Gutierrez	Chemistry	Biology
Jack Sudderth Henley	Geology	History
Mary Dunn Jamison	Biology	Psychology
James E. Jenkins	Biology	Chemistry
Frank Lane, Jr.	Chemistry	Mathematics

\*With Distinction

† With Honors



	Major	Minor
Ray Lindenschmidt	Biology	Chemistry
William P. Magenheimer	Biology ; Chemistry	
Martha Margaret March	Biology	Home Economics
John Walter Schulte	Chemistry	German ; Mathematics
Albert G. Simms, II	Chemistry	Biology
Leonard A. Smoll	Biology	Economics
Robert DeWitt Spensley	Biology	Chemistry
Arvid August Stromquist	Geology	Mathematics
†Anna Vallevik	Chemistry	Mathematics ; Physics
Gordon H. Wood, II	Geology	Anthropology
James L. Yates	Geology	Biology
†Anchard Frederic Zeller	Psychology	Mathematics ; Sociology
Robert King Zimmerman	Biology	Chemistry

### Bachelor of Business Administration

Robert R. Harrington	Business Administration	Government & Citizenship
Paul Kircher	Business Administration	English
Samuel Edward Melendres	Business Administration	Government & Citizenship
A. Maurice Sanchez	Business Administration	Government & Citizenship
Harry Albert Snow	Business Administration	Government & Citizenship
Ruth Arlene Williams	Business Administration	English

## COLLEGE OF ENGINEERING

### Bachelor of Science in Civil Engineering

Glenn Harding English	William Gus Koulas
Samuel Nesbitt Fritz	Forrest L. Long, Jr.
Clarence Frederick Hilgenhaus Gould	Robert Fisher McKee
David Phillips Hale	Eugene Everett Pedersen
John Howard Hedrick	John Edward Rea, Jr.
Robert Earl Holt	Robert Dupree Ridinger
Ennis Esten Johnson, Jr.	Fremont W. Slattery, Jr.
Hanan Harris Williams	

### Bachelor of Science in Electrical Engineering

Sheldon Holland Dike	*Robert Edmund Moore
Walter Fred Hardgrave	J. Manley Morgan, Jr.
Willis E. Johnston, Jr.	Carl Donovan Singer
Harold Sterling Varney	

### Bachelor of Science in Mechanical Engineering

William Neill Church	Weldon Randolph Orme
Paul Moore Devendorf	Carl Donovan Singer
Arthur Leo Goodwill	Ray Allen Thompson
Philip Hood	Philip Charles Whitener

### Bachelor of Science in Engineering Chemistry

Frank Johnson Wehking

## COLLEGE OF EDUCATION

### Bachelor of Arts in Education

	Major	Minor	Curric.
Crawford B. Aden	Economics	Physical Education- Athletic Coaching	H. S. Art Superv.
Richard E. Arnold	Art		Elem.
Dell Baca	Govt. & Citizenship	Home Economics	H. S.
Sara Baca	Spanish	French	Elem.
Jean Begley	English	Dramatic Art	Elem.
Barbara Brocaw	Music Education	English	Art Superv.
Winifred Bryant	Art		H. S.
Alma L. Campbell	Dramatic Art	English	Elem.
†*Mary Carmignani	English	History	H. S.
Freda Champion	English	Home Economics	Elem.
Louise Dolly Clayton	Music Education	English	H. S.
†*Florence E. Cline	Anthropology	English	Elem.
Jane Crawford	English	History	H. S.

\*With Distinction

† With Honors

	Major	Minor	Curric.
Cleto N. Duran	History	Spanish	H. S.
Jerre Joan Gibbs	Sociology	Physical Education	H. S.
Marie Anne Golightly	History	English	H. S.
Mary Helen Grahl	Art		Art Superv.
Helen Graves	History	Psychology	H. S.
Julia Gutiérrez	Spanish	French	H. S.
Billye Lee Harmon	Spanish	French	H. S.
*Elizabeth Hawes	English	Home Economics	Elem.
Alexander C. Johnpoll	English	Philosophy	H. S.
Arnold A. Lankow	English	German	H. S.
Margaret McGavock	Art	English; Physical Educ.	H. S.
Robert Bennett McKeever	Economics	English	H. S.
John J. McMullan	Govt. & Citizenship	History	H. S.
Mary Louise MacDonald	Music Education	Spanish	H. S.
Hortensia DeBaca Maes	Spanish	Home Economics	H. S.
† Mary Alice Mooney	History	English	Elem.
Clara Louise Morton	English	Dramatic Art	H. S.
Ruth Mozley	French	Spanish	H. S.
Robert Si Nanninga	History	Biology	H. S.
Ruth Ozoana Neves	English	Art	H. S.
Otto Noeding	History	Govt. & Citizenship	H. S.
Henry Arthur Phillips, Jr.	History	Music Education	H. S.
Mary Katherine Retick	Music Education	Biology	H. S.
Lois Rist	English	Govt. & Citizenship	H. S.
Carlos A. Robaina	History	Spanish	H. S.
Helen Rowe	Social Studies		Elem.
Jack Rushing	History	Physical Education— Athletic Coaching	H. S.
Mary Agnes Sadler	English	Psychology	Elem.
Lorraine Sterling	History	Spanish	Elem.
Laura Carolyn Stockdale	Art	English	Elem.
Teofilo Tafoya	Art		Art Superv.
Manuel Toledo	Sociology	Economics; Spanish	H. S.
Fidelia Santillanez			
Velasquez	Sociology	Govt. & Citizenship	Elem.
Elvin Walter	Music Education	Psychology	H. S.
Jewell Walters	Music Education	English	H. S.
Shila Wiley	History	English	H. S.
Pauline Williams	Sociology	Home Economics	H. S.

## Bachelor of Science in Education

Margaret B. Anderson	Administration & Supervision	History	A.&S.
Joyce Barton	Home Economics		H. E.
Annie Isaacs Gay	Administration & Supervision	English; History	A.&S.
Laudelle Hughes	Biology	History	H. S.
Velna Sorrell Jackson	Home Economics		H. E.
Filbert A. Jaramillo	Administration & Supervision	Govt. & Citizenship	A.&S.
Clara Virginia Linton	Administration & Supervision	English	A.&S.
Tony Lucero	Administration & Supervision	Spanish	A.&S.
Josephine Yvonne Lukens	Home Economics		H. E.
Athalia G. McDonald	Home Economics		H. E.
Edythe McMacken	Biology; Sociology		H. S.
Elmore Mullison	Biology	Art	Elem.
Harriett O'Halloran	Administration & Supervision	Psychology	A.&S.
Munroe			
Jerome K. Reid	Administration & Supervision	Science	A.&S.
*Louise Maxine Starrett	Home Economics		H. E.
Irene Teakell	Administration & Supervision	English	A.&S.
Mildred Van Vonderen	Administration & Supervision	Sociology	A.&S.
Julia Vergolio	Administration & Supervision	Spanish	A.&S.
Richard Cornwell			
Whiteman	Biology	Chemistry	H. S.
*Frederick W. Wiebers	Administration & Supervision	Economics; Psychology; Science	A.&S.
Cecelia Yearout	Biology	English	Elem.

\*With Distinction

† With Honors

**Bachelor of Science in Physical Education**

Birdie Lee Bryan	Physical Education	Biology	P. E.
Betty Burton	Physical Education		P. E.
Wayne Erwin	Physical Education	History	P. E.
M. L. Niemants	Physical Education		P. E.
Florence M. Pierson	Physical Education		P. E.
Carl Seery	Physical Education	Biology	P. E.
William Turner Stockton	Physical Education	History	P. E.

**COLLEGE OF FINE ARTS****Bachelor of Fine Arts in Art (Painting & Design)**

Ruth Olive Ball

**Bachelor of Fine Arts in Dramatic Art**

Betty Louise Kessler

**GRADUATE SCHOOL****Master of Arts****Major**

Anthony José Armijo	Government
Cecile Alberta Bentley	Education
T. C. Bird	School Administration
Edith Stephens Blessing	English
William Bramlett	Educational Administration
Horace P. Brunell	Educational Administration
Eupha Buck	Mathematics
Winfred Buskirk	Educational Administration
Woodrow W. Clements	Administration and Supervision
Paul Cox	Mathematics
Carson Henry Creecy	Education
John Reuben Dyer	Government
Grace Littlefield Evans	English
Robert Krick Evans	Economics
Cecil Floyd Fahrmeier	History
Ella Elizabeth Fanning	History
Jean H. Finnell	Government
José A. Flores	Spanish
Gustavo C. Galaz	Spanish Literature
Esther Dalton Gardner	English
Arthur Halpert	English
Robert Daniel Hepler	History
Floyd B. Jones	Administration and Supervision
Bergere Alfred Kenney	Chemistry
Jane Kluckhohn	English
Minnie Laws	Administration
Melvy Edgar Linton	School Administration
Willard Clark McCleary	English
Florence C. McKnight	Administration
Charles M. Martin	Elementary Education
Orell Gambrell Maxon	Government
Charles Laurence Mills	Elementary Education
George Franklin Mitchell	Education
Marian Kathleen Mize	Secondary Education
Willard Woodrow Moon	Educational Administration
Carolyn Miles Osborne	Anthropology
Robert A. Patterson	Economics
Wesley Francis Pittman, Jr.	Educational Administration
John Paul Riddle	History
Edna Grace Roberts	English
Helen Phelps Rogers	Education
Adelino Sanchez	Educational Administration
Mary E. Sluga	History
Florence Smith	Administration
Edward Paul Springer	Educational Administration
Lydia Eleanor Strand	English Literature
Roy Calowa Stumph	Government
Howard E. Sylvester	English
Vernon W. Thomas	Educational Administration
Mrs. Alice Uhlig	Spanish

**Major**

Joseph Daniel Western	Wager-Smith	Economics
Laura Waggoner		Sociology
Thomas B. Walsh		Spanish
Bertha Mary Wilson	Watkins	Spanish
Lucile Erickson	Welch	English
Laura Mary Whiteman		Economics
Arthur Ray Wood		Administration and Supervision

**Master of Science**

James Patrick Chaplin	Psychology
Adolpho Pablo Chávez	Education
Leo Lindsey Gleaves	Educational Administration
John Gonzalez	Mathematics
Alphonse Emile Guyot	Educational Psychology
Joe Dudley Reed	Biology
Herschel Roy Snodgrass	Physics
Harold O. Taylor	Botany

**Doctor of Laws**

Robert Lincoln Kelly  
James Ross McCollum

**Doctor of Literature**

Joaquín Ortega

**GENERAL COLLEGE DIPLOMA (Two-Year Course)**

**Academic**

James Antink	Edgar McCartney
Joseph Behl	Charles Moore
Pat Beirne	Jack Morrissey
James S. Browne	Lynch Steiner
Jim DeVaney	Fred Strait
Ralph Dienst	Joseph Teresi

**Vocational**

Bill Bonnell, Engineering	Gladys Smith, Business
Peggy Burks, Business	Lewis Tanner, Recreational Leadership
Clarice Richardson, Business	William Webster, Sanitation
Winston Sage, Engineering	George Whitener, Music

## ENROLLMENT STATISTICS

### Classification of Students

Classification of students in the various colleges is based upon the following standards of credit hours:

Class	College of Arts & Sciences	College of Education	College of Engineering	College of Fine Arts	General College
Freshman	0-28	0-28	0-32	0-32	0-28
Sophomore	29-60	29-60	33-65	33-65	29-64
Junior	61-94	61-94	66-102	66-102	
Senior	95-	95-	103-	103-	

Special students are persons of 21 years of age who have not fulfilled the admission requirements.

Unclassified students are students who are on leave of absence from other institutions or whose status in the University has not been determined.

The Extension Division includes students enrolled for correspondence work and for non-residence classes.

TABLE A. GEOGRAPHICAL DISTRIBUTION OF STUDENTS

	1941 S. S.			1941-1942				1941 S. S.			1941-1942		
	Men	Women	Total	Men	Women	Total		Men	Women	Total	Men	Women	Total
Other States							Other States						
Alabama	0	0	0	0	1	1	Mississippi	0	0	0	1	0	1
Arizona	3	4	7	3	1	4	Missouri	1	4	5	5	3	8
Arkansas	0	2	2	3	3	6	Montana	0	0	0	1	0	1
California	2	3	5	21	11	32	Nebraska	2	4	6	1	1	2
Colorado	6	7	13	7	12	19	New Jersey	2	0	2	3	1	4
Connecticut	0	0	0	2	0	2	New York	4	3	7	25	8	33
Delaware	0	0	0	0	1	1	N. Carolina	0	0	0	1	0	1
Dist. of Col.	1	0	1	3	0	3	Ohio	0	4	4	7	6	13
Florida	0	2	2	4	0	4	Oklahoma	7	24	31	8	0	8
Idaho	0	0	0	0	1	1	Oregon	0	2	2	1	0	1
Illinois	6	2	8	21	7	28	Pennsylvania	1	1	2	11	2	13
Indiana	3	1	4	8	4	12	S. Carolina	0	0	0	0	1	1
Iowa	0	11	11	2	2	4	South Dakota	0	0	0	0	1	1
Kansas	5	8	13	8	5	13	Tennessee	0	1	1	1	4	5
Kentucky	1	0	1	0	0	0	Texas	4	22	26	18	14	32
Louisiana	0	0	0	1	1	2	Utah	0	1	1	0	0	0
Massachusetts	0	2	2	1	4	5	Virginia	0	0	0	1	1	2
Michigan	0	1	1	3	3	6	W. Virginia	0	4	4	2	0	2
Minnesota	1	1	2	1	4	5	Wisconsin	1	2	3	5	1	6
Total from Other States	50 116 166			179 103 282									
Foreign Countries:													
Hawaii	0	0	0	1	0	1		0	0	0	0	1	1
India	0	0	0	0	1	1		0	0	0	0	1	1
Japan	0	0	0	0	1	1		0	0	0	1	0	1
Mexico	0	0	0	1	0	1		0	0	0	1	0	1
Philippine Islands	0	0	0	1	0	1		0	0	0	1	0	1
Puerto Rico	0	0	0	1	0	1		0	0	0	1	0	1
Total from Foreign Countries	0 0 0			4 2 6									

TABLE B. GEOGRAPHICAL DISTRIBUTION OF STUDENTS

New Mexico Counties	1941 S. S.			1941-1942			New Mexico Counties	1941 S. S.			1941-1942		
	Men	Women	Total	Men	Women	Total		Men	Women	Total	Men	Women	Total
Bernalillo	120	194	314	524	399	923	Mora	0	1	1	2	3	5
Catron	4	1	5	3	0	3	Otero	3	3	6	7	2	9
Chaves	3	5	8	3	9	12	Quay	8	7	15	9	4	13
Colfax	12	11	23	33	12	45	Rio Arriba	8	15	23	12	6	18
Curry	3	5	8	13	3	16	Roosevelt	4	8	12	6	1	7
DeBaca	0	1	1	2	0	2	Sandoval	7	9	16	6	7	13
Dona Ana	1	4	5	2	3	5	San Juan	4	4	8	10	1	11
Eddy	3	12	15	10	13	23	San Miguel	2	1	3	6	5	11
Grant	0	4	4	7	12	19	Santa Fe	12	29	41	24	37	61
Guadalupe	1	3	4	7	3	10	Sierra	8	7	15	4	4	8
Harding	0	1	1	8	0	8	Socorro	12	17	29	12	6	18
Hidalgo	2	2	4	2	2	4	Taos	1	5	6	5	1	6
Lea	3	6	9	5	6	11	Torrance	7	8	15	15	1	16
Lincoln	5	6	11	4	8	12	Union	2	4	6	3	1	4
Luna	1	4	5	0	3	3	Valencia	19	24	43	19	13	32
McKinley	5	17	22	18	12	30							
Total from New Mexico Counties -----								260	418	678	781	577	1358
Totals—Tables A and B -----								310	534	844	964	682	1646

## ENROLLMENT SUMMARY

	Men	Women	Total
Semester I, 1941-42	882	618	1,500
Semester II, 1941-42	695	538	1,233
Total, Semesters I and II	1,577	1,156	2,733
Less Persons Enrolled Both Semesters	613	474	1,087
Total Different Persons, Sem. I & II	964	682	1,646
1941 Summer Session	310	534	844
1941 Anthropology General Field Session	7	17	24
1941 Art Schools	6	34	40
Extension Division (March 1, 1941 to Feb. 28, 1942):			
Correspondence Courses	73	137	210
Non-resident Classes	83	150	233
Total	1,443	1,554	2,997
Less Duplicates	178	198	376
Total Different Persons Registered	1,265	1,356	2,621

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(This form is to be mailed to the Registrar, University of New Mexico,  
Albuquerque, New Mexico  
*No Application Will Be Acted Upon Until All Necessary Transcripts  
Are Received.*

(Applicant's usual signature)

